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1905 Vegetable Seed Trials

1931

KELLY'S

18th Annual Money-Saving Catalog



RECEIVED
FEB 26 1931

Farm and Garden Seeds

Feeds, fertilizers, insecticides, garden supplies, nursery stock, poultry supplies, bee supplies, sprayers, disinfectants, seed inoculation, lawn grasses and Illinois state distributors for CLIPPER MILLS.

Kelly Seed & Hardware Co.

116-118 So. Washington Street
Peoria and San Jose, Illinois

We broadcast seed quotations over WMBD, Peoria, every Thursday evening at 6:35. This station is found on most radios around "ten" on the dial. Wave length, 208.2; 1440 kilocycles. Listen in and keep posted on seed market changes.





Kelly's Bargain Collection

15 Full Size 10c Pkts. \$1
Postpaid for
Each the best variety to plant

Carrot, Danvers Half Long
Radish, Scarlet White Tipped
Beets, Detroit Dark Red
Corn, Golden Bantam
Beans, Burpee's Stringless
Greased Pod

Watermelon, Halbert's Honey
Muskmelon, Hearts of Gold
Lettuce, Simpson's Early
Curled

Cucumber, Imp. Long Green
Radish, White Icicle
Peas, McLean's Little Gem
Turnip, Purple Top Strap Leaf
Tomato, John Baer
Spinach, Bloomsdale Savoy
Parsnip, Hollow Crown
See Garden Seed Section inside
for descriptions

PLEASE USE THIS SIDE FOR FARM SEEDS AND OTHER ARTICLES

Kelly Seed & Hardware Co.

116-118 S. Wash. St., Peoria, Ill.
San Jose, Illinois



Please forward the following, as per terms of your catalog by (state here if wanted by freight, express or parcel post).....

Date.....

Name..... R. F. D. or Street No.....

Post Office State County

(If shipping point is different than Post Office give here)

Draft

Enclosed find \$..... *Due* Check For which please ship.....

Stamp

For which please ship:

(when)

the following: Stamps
Money Order

Kelly Seed Co. give no warranty, express or implied, as to description, purity, productivity, or any other matter of any seeds or bulbs they send out and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are at once to be returned.

Have you ordered Semesan Jr. for your corn?
Have you ordered INOCULATION for legumes?

See page 6 for freight, express and parcel post rates.

TOTAL

Please give us the names of five of your neighbors who buy seeds.
Name _____ Town _____ State _____

If you get more than one catalog, please give it to your neighbor.
Other side for garden seeds.

(OVER)

PLEASE USE THIS SIDE FOR GARDEN SEEDS, BEE SUPPLIES AND
NURSERY STOCK

Parcel Post.....

When do you want order shipped? **Express**

..Express

Include postage (if not prepaid). See page 6 for instructions for ordering all garden seeds sent prepaid.

SEND IN YOUR ORDER EARLY. WE WILL SHIP ANY TIME.
(OVER)



W. G. KELLY



O. D. KELLY

JANUARY 1, 1931

25 Years In the Seed Business

With this issue of our catalogue we are starting our twenty-fifth year in the seed business. A quarter of a century does not seem long, but the average life of a business is only about four years. In these twenty-five years there has been many changes in the seed business. At the time we started there were only eight wholesale concerns in the state who had traveling men on the road. Today there are thirty-three. While the seed business has increased, you will see that competition has also greatly increased.

Many varieties and types of field and garden seeds used twenty-five years ago have been replaced with new and improved strains. The success of our business depends greatly upon the confidence you have in us. Our business which started in a room 20 by 26, has grown until today, we use a storage space of 145,000 bushels. This has required the confidence of many.

Our sole equipment at that time was a small No. 1 Clipper mill which we turned by hand. Today we have three 29-D Clippers which are the largest and best Clipper mills made. We also have a Sutton, Steele & Steele gravity machine, the only one we know of in the state of Illinois outside of Chicago. In addition to this we have other machinery which requires 123½ H. P. and cost over \$10,000.

This year we are in the best position to furnish you seeds and merchandise of any year since we started in business. A good many dealers have very small stocks and do not expect much business. We expect and are equipped for one of the biggest seed demands we have ever had.

Last spring seedings were mostly destroyed by early freezes, and the severe drought during the summer. According to government reports, there is less than 50 per cent of a medium red clover seed crop, 60 per cent of a sweet clover seed crop, 40 per cent of an average blue grass crop, and only 35 per cent of an average red top crop. The timothy seed crop was very short.

Do not wait until time to sow to buy seeds. When the small dealers will not stock anything until time for seeding, and you do not place your order until late, it creates a shortage and higher prices.

If you have never ordered seed of us, we would like to have you give us a trial order. We have customers who have bought of us for more than 20 years. This year it behooves you to buy the best seeds you can at the lowest prices.

Our Guarantee and Responsibility

It requires considerable confidence in a firm to send an order and a check or draft for \$100 to \$1,000 worth of seed when you are not acquainted with the firm. We realize this, so ask you to look us up in Dunn's or Bradstreet, or write either of the following banks in which we own stock and have done business with many years: Commercial Merchants National Bank & Trust Company, Peoria; First National Bank, Peoria; Peoples Bank, Atlanta, Ill., and San Jose State Bank, San Jose, Illinois.

You Take No Risk In Ordering of Us

We ship all seeds and merchandise with the understanding that if not as represented, they may be returned at our expense, and money will be refunded, we paying the freight both ways.

Suggestions for Ordering

Few people realize the amount of work it involves to handle hundreds of orders, all wanting shipment the same day. You can get better service and it is easier for us if you will send your orders early. This is especially true of garden seeds. These should be ordered in January or February. Seed corn orders also should be placed as early as possible. On a deposit of 50c per bu., we will reserve and hold corn up until April 15.

All prices are made subject to market changes. If prices are lower we will fill order and refund balance due you. If they have advanced since we put prices in the catalog, we will write you before shipping, letting you know what present prices are.

Bags for Shipping

Bags for your one order would not amount to much, but bags cost us over \$5,000 a year, so we must make a charge for bags, except seed corn and the 30 and 60 lb. bags in which Grimm and Dakota No. 12 alfalfa is packed. The cost of bags is always figured in with the price, no matter if they charge you for bags or not. You are going to have to pay someone for bags. Please be sure to enclose money for bags, or send us good bags by parcel post in which to ship seeds.

Freight, Express and Parcel Post Rates

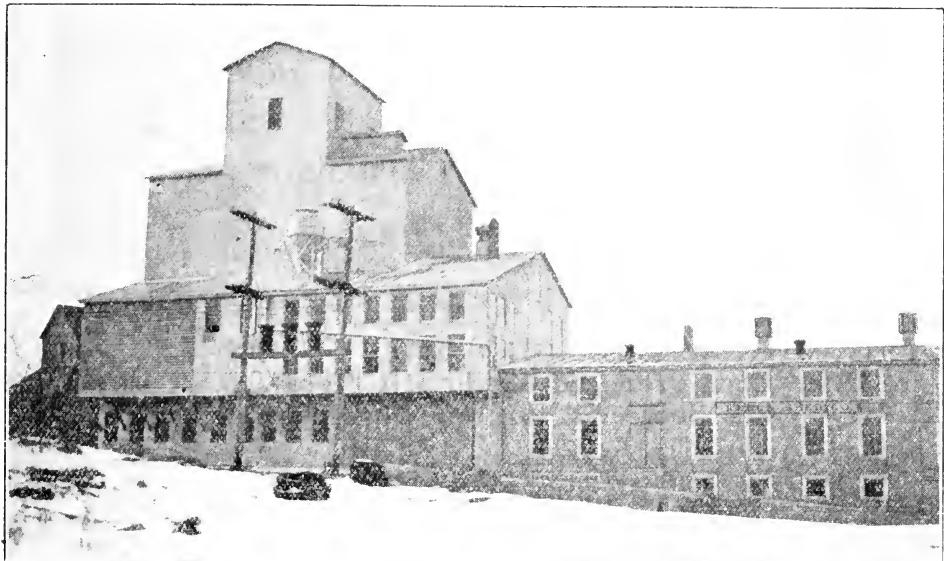
For your convenience we give below the approximate cost to you from Peoria or San Jose, on seeds and other merchandise whether sent by freight, express or parcel post. Please include postage for small articles you want sent by parcel post on which we do not make a delivered price. We are located near most of our customers, very few being farther than the second zone, 150 miles away.

	Express				Freight			
	—10 lbs.—		—25 lbs.—		—100 lbs.—		—100 lbs.—	
	Seed	Other	Seed	Other	Seed	Other	Hand	Impl'ts
Bloomington, Illinois.....	.32	.43	.41	.55	.86	1.15	.28	.30
Springfield, Illinois.....	.32	.43	.41	.55	.86	1.15	.31 $\frac{1}{2}$.34
Decatur, Illinois.....	.33	.44	.43	.57	.94	1.25	.33	.35 $\frac{1}{2}$
Jacksonville, Illinois.....	.33	.44	.43	.57	.94	1.25	.33 $\frac{1}{2}$.26
Rockford, Illinois.....	.36	.48	.50	.67	1.24	1.65	.44	.47
Champaign, Illinois.....	.34	.46	.46	.62	1.09	1.45	.35	.37 $\frac{1}{2}$
Quincy, Illinois.....	.36	.48	.50	.67	1.24	1.65	.42 $\frac{1}{2}$.46
Rock Island, Illinois.....	.34	.46	.46	.62	1.09	1.45	.36	.38 $\frac{1}{2}$
Danville, Illinois.....	.34	.46	.46	.62	1.09	1.45	.39	.42
Mattoon, Illinois.....	.34	.46	.46	.62	1.09	1.45	.39	.42
Chicago, Illinois.....	.36	.48	.50	.67	1.24	1.65	.44	.47
St. Louis, Illinois.....	.36	.48	.50	.67	1.24	1.65	.42 $\frac{1}{2}$.46
Joliet, Illinois.....	.34	.46	.46	.62	1.09	1.45	.39	.42
Vandalia, Illinois.....	.34	.46	.46	.62	1.09	1.45	.40	.43 $\frac{1}{2}$
Indianapolis, Indiana.....	.37	.50	.54	.72	1.39	1.85	.50	.54
Des Moines, Iowa.....	.38	.51	.57	.76	1.50	2.00	.50 $\frac{1}{2}$.59 $\frac{1}{2}$
Jefferson City, Missouri.....	.40	.53	.95	1.27	1.65	2.20	.56 $\frac{1}{2}$.78

Parcel Post—(Weight limit zones 2 and 3, 70 lbs.) To any of above stations, except Indianapolis and Des Moines, all in zone 1 and 2. Rates zones 1 and 2, 1 lb. 5c, with 1 cent additional for each lb. or fraction, 10 lbs. costing 16 cents, 25 lbs. 31 cents. For zone 3, 150 to 350 miles, 6c for first lb. and 2c additional for each lb. Fourth zone, 7c per lb., 4c per lb. for each lb. additional.

SEED CORN

We put seed corn first because it is one of our largest single items of seed. Also, because it is the most important crop that our customers grow. Because some of our customers do not know that we grow about 1,000 acres of corn at San Jose every year where we have houses built for the caring and storing of seed corn. Because we are in a position to furnish you as good corn as you can buy, at a low cost. Because we have been in the seed business twenty-five years, and have learned how to take care of seed corn so as to preserve its vitality and vigor.



East View of New Seed House. Notice picking rooms on second and third floors. Here is where corn is examined, every ear by two men before shelling.

Corn Must Have Proper Ventilation

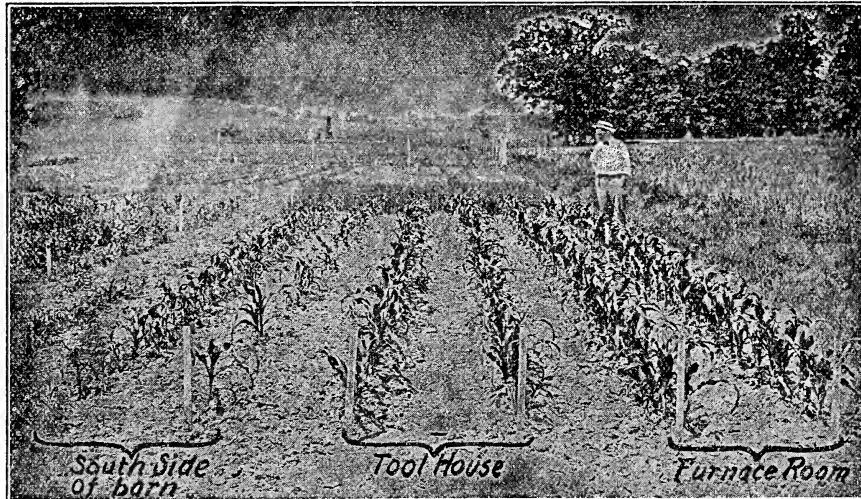
Corn needs fresh air the same as you or I. Our seed houses are built for this purpose. They are all properly ventilated, covered with galvanized iron, then a lining of amafibre, which is wind, cold and moisture proof, then a wood lining. Roofs are double, first a rubberoid roof, and then galvanized iron on top of this. This not only makes it warm, but the rubberoid covering with air spaces between the galvanized roof keeps the moisture which is driven out of the corn by the heat from condensing on the iron in cold weather and dropping back on the corn, before being carried out by the ventilators. Buy fire dried corn this year.

Do not be penny wise and pound foolish. Too many, when they try to economize, do this very thing on seeds.

Winter Storage of Corn

To keep corn dry and from freezing is one of the most essential requirements in taking care of corn. If a farmer has not a room or building where he can keep his seed corn dry at all times, and where it can be protected from freezing, it will pay him big to buy his seed corn.

Corn absorbs moisture like a sponge. You will have it dry for one week, the next it will show a moisture content of 20 per cent. This was proven to many last winter. Their corn was dry in the fall, but during the damp wet weather of the early winter it soaked up a quantity of water and the sub-zero weather ruined the germination. Often even when the germination is not killed, the vitality is so reduced that it will not produce a high yield.



The same old story. Notice the difference in the early picked fire dried corn. This is a picture we always use because it shows better than we can tell the different results of proper storage of seed corn.

Fire Dried Corn Produced 32 Bushels More Than Corn Which was Subjected to Freezing and Thawing

According to records from Prof. M. L. Moser, who has charge of the records of farms in four counties in Illinois, which showed records of some 400 farms for the period of 1928-29, corn which was properly stored, compared with corn which hung out in garages, sheds or barns, made an average of four bushels per acre more.

One bushel of corn will plant eight acres or more, which made an extra yield of 32 bushels from one bushel of good fire dried seed corn. Figure this at 50 cents per bushel, which makes \$16 extra for the one bushel of fire dried seed corn.

Still some farmers think they are saving money by planting corn which produces 32 bushels less for every bushel they plant, than to pay four or five dollars a bushel for good fire dried corn, graded, and ready for the planter.

No farmer can pick out a bushel of corn, furnish coal to keep it dry and from freezing, furnish a building to properly store and ventilate it, shell and grade it, for less than we offer it.

Starch Absorbs Moisture, Oil Does Not

Every farmer who has tested seed corn which has been subjected to outside moisture, followed by extremely cold weather will notice that most of the hearts or germs of corn which will not grow, seem to be loose in the kernel, and will pull out of the kernel very easily. This is what has happened and why this corn will not grow.

The starchy part of the grain of corn absorbs moisture from the air readily. The germ or heart which consists mostly of oil does not absorb moisture. Every time it rains or the atmosphere becomes damp, the starch in this grain of corn swells by taking in this extra amount of water. When the corn freezes the starch contracts, pulling away from the germ which did not absorb the moisture on account of the oil content. This freezing and thawing process goes on all winter, often many times. By spring the heart or germ is loose from the starchy part of the kernel, showing a dark color, is watery, and has very little life or vitality left.

Corn which has hung out all winter might show a 95 per cent germination, but only show a 25 per cent vitality, the vitality being reduced by the above processes.

Treat Seed Corn with Semesan Jr.

See page 25



Our Corn Makes a Higher Yield

This is why year after year we have customers come back for corn, telling us that the corn they bought from us made 5 to 15 bushels more per acre than their own. Sometimes the seed corn they picked came out of what they had bought of us a year or two before, but failed to produce as well as seed they bought of us. The reason was they were not equipped to take care of seed corn for best results. Sell your corn at market price. Buy your seed of us and it will pay you big, unless you are well equipped to take proper care of your seed. If you are you can do it as well as we, if you know how. For the average farmer it does not pay him to go to the extra expense of a special building, machinery, and heat all winter for 10 to 20 bushels of seed corn.



Stalks stiff and erect

Location

Possibly you wonder why we use this picture in every catalog. Every year we send catalogs to thousands of prospects who never received our catalog before. It is very essential to know where corn grows, as corn should not be moved north more than 75 to 85 miles. San Jose is located a little north of the heart of the corn growing section, at the corner of Tazewell, Logan and Mason counties. Here we have the best adapted soil for growing seed corn in the United States. All our corn is grown at San Jose which is 25 miles due south of Peoria. San Jose is on route 122, two miles east of route 24 which runs from Peoria to Springfield. Concrete road within two blocks of our door.

Disease Free Seed

We offer only a limited amount of disease free seed because we do not specialize in this.

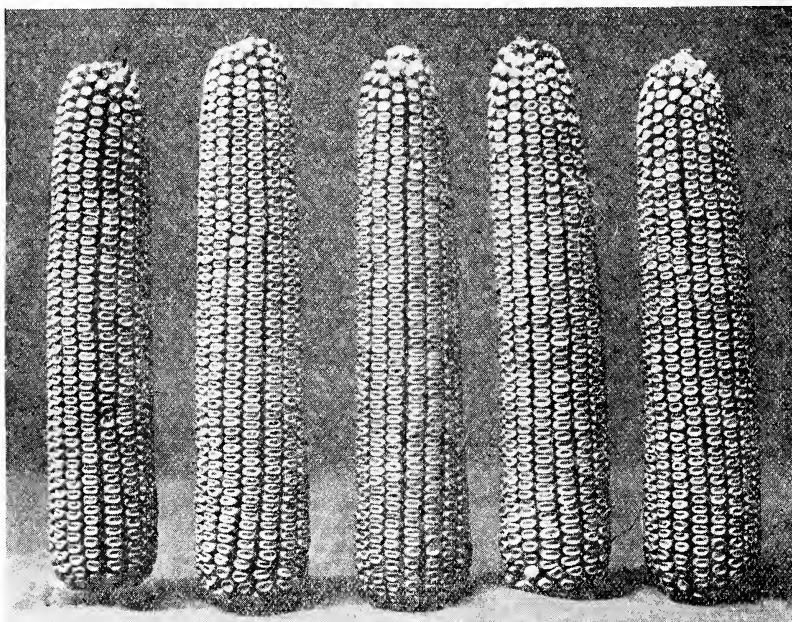
All the corn we offer for sale is from disease free seed tested by the Bloomington Seed Corn Laboratory, owned and operated by Mr. O. P. Tieman. We have had our seed corn tested by this concern for a good many years. All the corn you buy from us is from this disease free stock which has been tested for disease for so long that it shows very little disease.

This costs us considerable money but we think it pays our customers.



Best Variety to Grow

This depends on where you are located, the type of soil you have, the time you expect to plant, and how soon you want matured corn. If you are undecided as to best variety, write us, giving above information, and we will be glad to advise you.



Kelly's Utility Corn

Kelly's Utility Yellow Dent Corn

For nineteen years we have grown this corn. During this time we have tested out many kinds and varieties of corn. We find this produces more good marketable corn with a higher grade than any other.

The picture of our Kelly's Utility Yellow Dent corn shows the type better than we can tell. These are actual photographs for your inspection. Ears 10 to 12 inches long. Rich, yellow color. Bright and lustrous. Contains very little soft starch. Grows a medium height and easily husked. Medium, early maturing.

A corn which will mature in plenty of time if planted when it should be—May 1st to May 15th. Preferably May 10th.

Too many farmers want to hurry their corn maturity at the wrong end of the season. Plant your corn early when it should be planted. Have it matured when freezing weather comes. It might not pile up as big a pile, but will weigh out as much, test a better grade, and bring more money than corn planted May 15th to June 1st. One day the first of May is equal in the growing life of a corn plant to three in September or October.

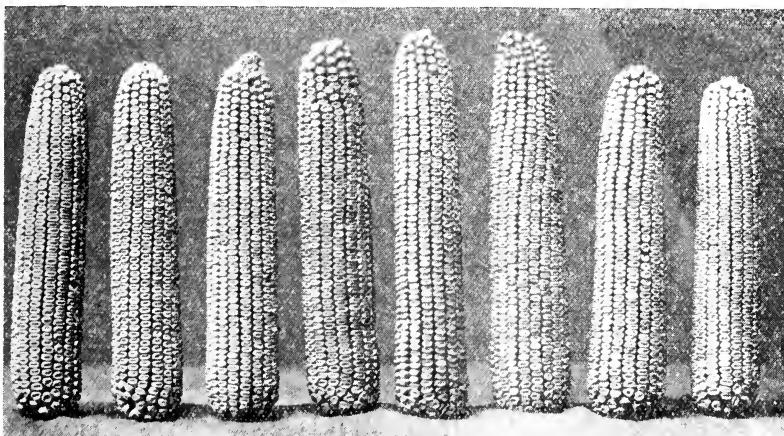
For central Illinois we recommend this corn. Matures in 110 days. See page 63 for prices.



**How We Dry
4,000 Bushels
of Our Corn**

Kelly's 100 Day Yellow Dent

This is what we formerly called Kelly's Big 90 Day, and with a favorable season will mature in 90 days. An early yellow dent corn which is a high yielder. Produces large ears, but not as deep grained as later varieties. Sometimes produces as much as 70 bushels per acre. Ear 9 to 11 inches long. For price see page 63.



Reid's Improved Yellow Dent

Reid's Improved Yellow Dent

This is a large type corn, well adapted for central and southern Illinois, Indiana and Missouri, or this same latitude in other states. Ears 10 to 13 inches long. Not a rough type corn but not quite as smooth as Kelly's Utility.

We have many farmers who prefer this, and where it is planted early will produce a large yield.

Not as deep grained as the old style rough starch corn (whose cells were filled with air) but the shelled corn off these ears will weigh as much or more. It is not always the size and depth of a grain of corn which makes it weigh more.

Not a good variety to plant very far north of San Jose, but fine for south of San Jose. Matures in 115 to 120 days. See page 63 for prices.

Red 90 Day

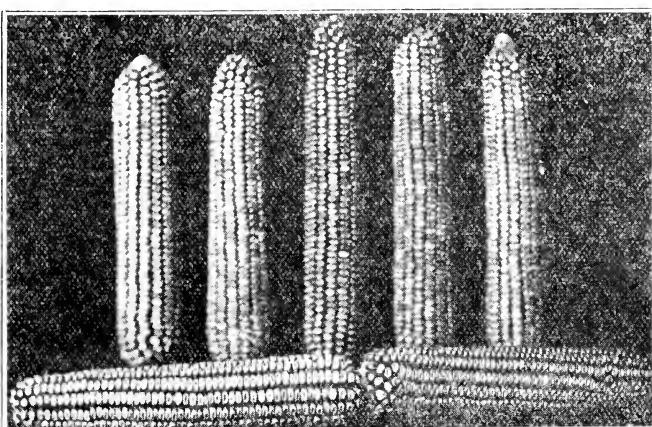
Sometimes called "White Cap." The best early corn for feed. Will fatten stock quicker than yellow corn. Not a good variety of corn to keep over for next summer feeding, as it gets very hard and flinty. One year we planted this corn on July 2d, and it made over 50 bushels per acre of good corn.

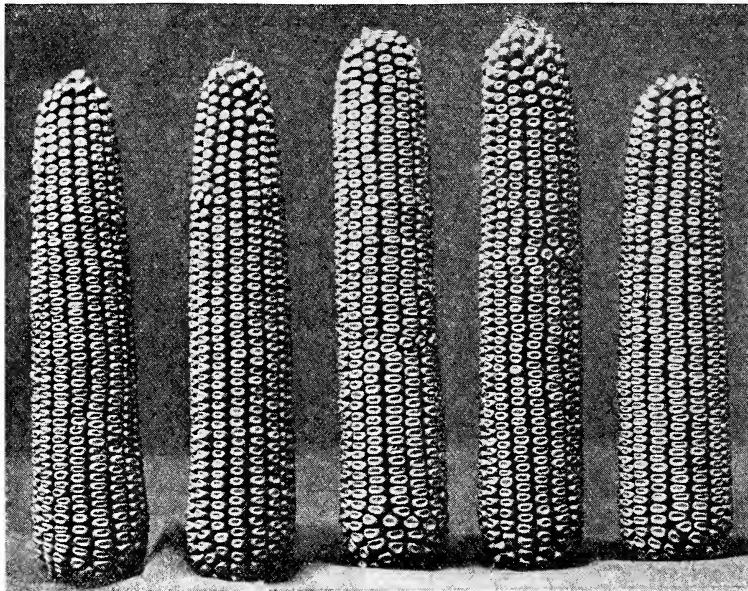
Kelly's Leaming Corn

Kelly's variety of Leaming corn is different from most strains of Leaming. Our Leaming is an early maturing corn, maturing in 105 to 110 days. The old type Leaming was a very late corn, which usually required from 120 to 125 days to mature.

Does not grow tall, looks much like some of the hybrids, which in fact, is what it is. Grows a rather heavy foliage. Has very dark yellow color. Ears about the size of Reid's Yellow Dent, but are larger, and broader grains. Contains highest protein content of any corn we grow. Best for feeding purposes. Has a large root system. For price see page 63.

Notice the large grain. Runs mostly 14 rows. Has a very dark yellow color. Rich in oil and a good corn to grow. Early maturing.





Krug Corn

Krug

There are many varieties and strains of Krug corn. Some show up exceptionally well. Some show to be of very little value.

The first Krug we got from Woodford County was about ten years ago, and was very poor corn. This we raised for two years, and discontinued growing it. In 1925 we secured a special lot of four pounds of corn from the originators of Krug corn. From this small sample we increased it until last year we put out about 400 acres of this variety. Krug is a medium size ear corn and very early maturing.

Best adapted for growing in north central Illinois. Matures in 100 to 105 days. We have sold this corn to grow 100 miles north of Peoria, where it matured and made a good crop.

From our experience in the grain business, we find Krug corn will mature and grade better than any other variety. There is much Krug corn around San Jose. Last fall from the 1930 crop, we shipped several cars of this in October and not a car graded lower than No. 3.

Krug ears do not grow uniform in size or color, grains being larger in the middle and barrel shaped. If you live north of Peoria, Illinois, we recommend Krug corn above all others. For price see page 63.

Quality of 1930 Corn

While the quality of our corn is not up to normal years, it is much above the average. Some made as much as 75 bushels per acre. We secured 788 bushels from one 20-acre field, which is the most seed corn we picked from this size field.

Corn runs very uneven this year and you cannot expect it to be equal to the best years in size and uniformity of kernel. It shows a high germination and all corn will be graded twice. Just because it comes from a seed house is no reason though why we can change the size and shape of the grains.

Grades of Seed Corn

Owing to the unevenness of much of the corn this year all corn will be double graded over our big power mills and sold in three different grades. There is no difference in the quality of the corn as it all comes off the same ear, but simply the difference in the size and evenness of the grains. In grading we get six different grades of corn but sell only three. No. 1 grade, the very best grains, graded as evenly as possible. No. 2 grade, grains will be smaller but evenly graded. No. 3 grade corn will be large grains, mostly from the tips and butts, but not the largest grain as these we do not sell for seed.

Price: No. 1 grade corn, subject to change, \$4.00 per bushel.

No. 2 grade corn, subject to change, \$3.00 per bushel.

No. 3 grade corn, subject to change, \$2.00 per bushel.

Germination all to be above 95%.

MONTANA GROWN
GRIMM ALFALFA SEED

KELLY'S SEEDS GROW

HIGH PURITY and GERMINATION
KELLY SEED & HARDWARE CO.
Peoria-San Jose
Illinois

HARDY DAKOTA GROWN
ALFALFA SEED

KELLY'S SEEDS GROW

HIGH PURITY and GERMINATION
KELLY SEED & HARDWARE CO.
Peoria-San Jose
Illinois

ALFALFA

The life-saving crop last year. Last summer when everything was dead and burned up by the sun and hot winds, alfalfa fields were green and looked like an oasis in a desert.

We cannot understand why every farmer does not have a field of alfalfa. It will pay him better than anything he can grow, and he can build up his soil at the same time.

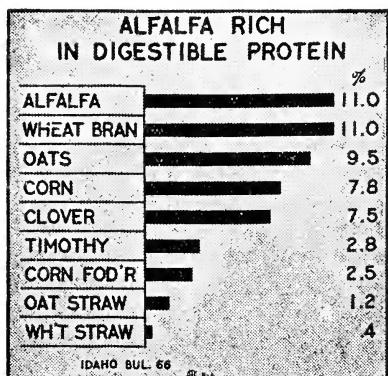
There are 222 pounds of digestible protein in a ton of alfalfa hay from inoculated seed, while only 142 pounds of protein in a ton of clover hay.

Alfalfa hay and corn make a balanced ration, corn produces fat, alfalfa supplies protein (the most expensive food element the farmer has to buy) at a very low cost.

From the chart you will notice the comparative value of alfalfa. Today we are selling alfalfa leaf meal at \$3.25 per bag, or \$65 per ton, where the average farmer can produce this feed at about \$15 per ton by growing alfalfa. Alfalfa seed is lower than it has been for several years, and as more people have limed their soil, there is no reason why they should not grow alfalfa successfully.



This shows how we pack our No. 1 grade of Montana grown, registered alfalfa, Dakota and Montana grown certified alfalfa, and Black Hill No. 12. This seed is all double cleaned, selected from the very best lots, and sealed by us for your protection. Packed in 30, 60 and 150 pound bags. We make no charge for bags sealed with these grades.



Grimm's Best Variety to Grow

Grimm's has always been one of the best to grow. On account of the high price of seed, many could not sow Grimm. In the past Grimm alfalfa seed has sold for \$24 to \$30 per bushel. There was a big crop of Grimm this year. We offer Genuine Certified Dakota Grown Grimm at the lowest price you ever bought it. Last year it sold for \$24. This year we offer you Genuine Certified Dakota Grown Grimm, in sealed bags, at around \$20 per bushel.

From the picture of the Grimm plant, you will notice it has a different root system from the common alfalfa. Where you expect to leave it for some time we would recommend Grimm, and especially this year when so low in price. For prices see page 63.

Montana Registered Grimm

This comes from the coldest section of the United States. Tests 99.80 pure, and is one of the best lots of seed we have ever handled. The best of all varieties we have to offer. This also packed in 30 and 60 lb. bags for your protection. For prices see page 63.

Black Hill Dakota No. 12

This variety which produces more hay than any other, is also a hardy alfalfa which comes from the Black Hills of South Dakota, a high, dry wind swept section where this hardy alfalfa has withstood the severe winters (often 40 to 50 below) for over forty years.

The crop of this alfalfa is very light this year on account of the severe drought and grasshoppers. In the past we have never had enough of this variety to last through a season, and only have a limited amount this year.

We notice from wholesale price lists, that some of the largest seed houses have not quoted a price on it, on account of the extreme scarcity.

Order early if you expect to get Genuine Black Hill Dakota No. 12 seed. Our seed we bought direct from the ranchers, recleaned over our own mills, and packed and sealed in 30 and 60 pound bags. We make no charge for bags in which Dakota No. 12 and Grimm are shipped. For prices see page 63.

Montana Common

This must also be a very hardy alfalfa to stand the climatic conditions of this section. Some of it is Grimm and some Cossack, but cannot be registered or certified on account of some of these fields being planted 20 to 30 years ago before the seed for alfalfa was registered or certified. For prices see page 63.

Bee Hive, Delta and 20 Below

These are all good but only common alfalfa, being simply brands or trade names of jobbers who have cleaning houses in Utah where they buy this seed from the growers, cleaning the seed and packing it under these names.

We see no reason why you should pay a high price for this seed which is the same thing as the common northwestern seed, this seed being packed under these brands and grown in the Myton Basin in Utah, where weather conditions are not nearly so frigid as in the Dakotas or Montana.

Fifty per cent of all alfalfa seed grown for seeding purposes is grown in the state of Utah. If you will get your map you will see that practically all of the state of Utah is in the same latitude as Kansas. You think of Kansas seed being grown too far south, but think of Utah seed being northern grown. The southern line of Utah is in the same latitude as the line between Kentucky and Tennessee and south of the entire state of Illinois.

We ourselves prefer good northern grown Kansas seed to southern Utah where most of the so-called northwestern seed comes from.



This shows the root system of Grimm alfalfa. A three-year-old plant, grown by Ed. Stansbury, near San Jose. 194 stalks of hay growing from one plant.

Northwestern

This name is usually applied to Utah grown seed. While it is grown in the Valleys of Utah it is fairly hardy. Utah seed does not compare with Montana or Dakota grown seed, such as Grimm or Dakota No. 12. Northwestern seed is usually very bright color, and looks to be better than the seed grown far North. Most of this seed is grown in Southern Utah, down next to Arizona on dry land which is irrigated, and in this way it is not subject to being damaged by weather conditions such as the case in the Northern states. For prices see page 63.



Four cuttings like this a year. Worth \$75.00 an acre.
Why not grow alfalfa?

Kansas Alfalfa

Years ago this alfalfa was considered the best you could buy, and it was good seed, and today we consider it the best to sow in rotation of crops, or if you expect to leave it stand for two or three years.

The demand for Kansas alfalfa gave unscrupulous seed men the idea of importing unadapted seed from South America into Kansas, then shipping this seed out of Kansas for Kansas grown seed. Seed from South America was not adapted to our section so it gave Kansas seed a black eye. Alfalfa wilt was brought in from South America in this way.

Genuine Kansas grown seed is good seed to sow. Last spring Prof. J. C. Hackleman, of the University of Illinois, an authority on alfalfa, told at the Peoria County alfalfa day meeting that Kansas seed was good seed to sow or to use in crop rotation, or where wanted to stand only a few years.

Kansas seed is entirely free of weeds and this year on account of a big Kansas crop of alfalfa, it is the lowest price of any seed we have to offer. Nevada, Arizona, New Mexico, Idaho, Texas and Southern California, also produced an increased crop of alfalfa seed.

All of this seed is shipped into our section from these states which are south of us, and is not hardy and unfit to withstand our climatic conditions. One buyer for one of the St. Louis seed houses told us that he purchased 32 cars of alfalfa seed in Oklahoma this year. This seed can be purchased at a much lower price than seed from the Northwest. We do not buy any of these Southern seeds. You can rest assured when you buy alfalfa seed from us, you are getting seed adapted to your section.

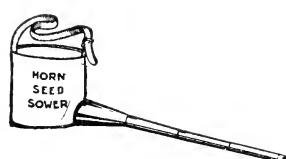
Amount of Alfalfa to Sow

This depends wholly on the kind of soil you expect to seed. On rich black swamp land a good stand of alfalfa can be secured by sowing a bushel to eight acres. On thin, high, clay soil, we would recommend sowing as much as 20 pounds per acre. On average silt loam we would recommend sowing 10 to 15 pounds per acre. Do not skimp on seed. It does not pay. With a one-half stand of alfalfa and one-half stand of weeds you lose what you have sown. Be sure to inoculate all alfalfa seed that you sow. The cost is very little. It will pay you big.

Grass Seeders

Cyclone Seeder

A small double feed seeder which insures a uniform flow of seed at all times. Triple gears, adjustable take-up of wear of gears. Price, \$2.00 each.



Horn Seeder

This horn seeder has sectional tube with brass seed gauge. A low priced seeder which does effective work, sowing from 15 to 20 feet wide. Forty acres a day can be sown with one of these seeders. Not affected by wind conditions as much as some other seeders. Adjustable, sowing any amount. Price \$1.00. With seed or sent parcel post.



Weedy Red Clover Seed Magnified Nine Times.

This shows seed as you often get it by trading with other farmers when they do not have the proper machinery to reclean it as it should be. Often we buy seed from farmers why say, "Oh it is cleaned. You will not get much more out of it" but many times we get as much as 10 pounds per bushel, which with clover seed at \$20 per bushel would make the good clover seed cost you \$24 per bushel. Besides costing you more, than if you would buy our high grade seed, you sow millions of weed seeds, many noxious weeds which rob your soil and ruin crops.

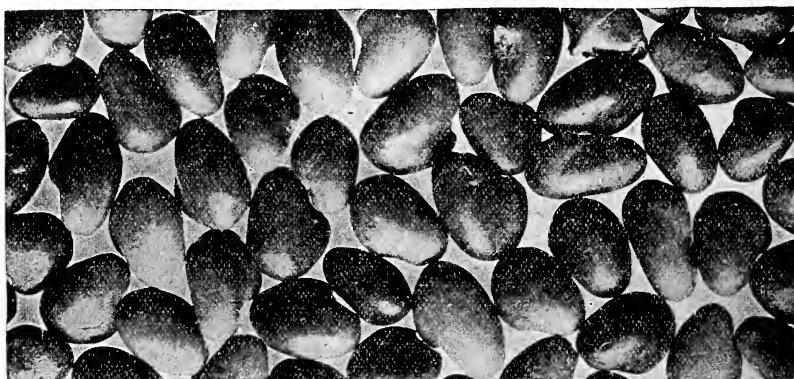
Red Clover

There is really no substitute for red clover. Red clover will grow on most any soil, is a biennial plant, lives two years, and is well adapted to work in a crop rotation. Most of last spring's clover was killed in this section, first, by late freezes and then by the terrible drought. This leaves the majority of farmers without any clover.

If they expect to keep up the fertility of their soil they should sow twice as much this year to make up for the shortage, or sow everything in clover they can sow. Clover seed at \$15.00 per bushel is not high when a bushel of clean seed will sow 10 acres, making a cost of only \$1.50 per acre. Often the fall pasture will much more than pay this amount, besides the value as a soil builder.

We are in a position this year to furnish you as good clover seed as you ever bought, and at a lower price than you can get from other sections. We have always made a specialty of selling high grade medium red clover seed, as we are in or near the best growing section in the state of Illinois.

The 1930 crop in Peoria County was the largest crop of red clover seed ever grown in this county, and in a section 40 miles wide, north of the Illinois river from Quincy to Princeton, there was produced over 45 cars of the best clover seed we have ever seen. We secured a good share of this seed direct from the growers, and are in a position to furnish this to you at low prices. In cleaning this seed it was cleaned over our big 29D clipper mills, the best seed mill made, having a large suction fan which removes some foreign matter which cannot be blown out by a drive fan.



This shows well recleaned clover seed, such as you get from us, after being cleaned over our big mills.

In cleaning seed we put on plenty of air, because all seed which is blown over is reclaimed by our gravity cleaner, the only one of its kind in central Illinois. This mill saves every grain of good seed, so there is no loss no matter how much good seed we blow over, we get it with the gravity cleaner. This gravity cleaner weighs every grain, picking the good ones out just as well as you could pick them out by hand.

Be sure to inoculate all clover seed with McQueen's Dry Cote or Kelly's inoculator. It is very necessary that red clover be inoculated the same as sweet clover or alfalfa. For prices see page 63.

Alsiike Clover

Last year alsike clover was from \$3.00 to \$5.00 per bushel higher than red clover. This year alsike clover seed is lower priced than red clover. Alsike clover is very hardy. It is much easier to get a stand than either red or sweet clover. It should be sown in the spring, the same as red clover. Alsike clover is not a biennial plant like red clover, and often lives four or five years, and will reseed itself for several years more.

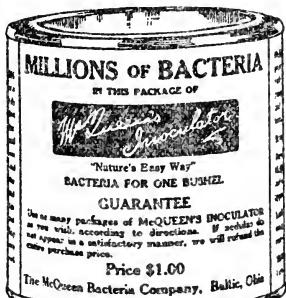
In this respect it is much like the White Dutch clover which you see in lawns and pastures, and which comes up year after year without reseeding. For prices see page 63.

Mammoth Red Clover

Mammoth red clover is a soil builder, makes a very heavy top growth, also has a large root system. A good clover to mix with sweet clover.

Mammoth clover will grow on sour soil, more so than medium red, and will grow where sweet clover and alfalfa will not. It is also grown on thin, sandy land where medium red clover would make only a very small growth.

If you want a clover to use as a fertilizer and plow under next summer, Mammoth is the clover you want. For best results inoculate with McQueen's Dry Cote or Kelly's inoculator. For price see page 63.



Inoculation

Inoculate for the Land's Sake, Inoculate for Your Pocketbook's Sake.

It is very essential that all legume seeds be inoculated. Do not think you can get by without inoculating, and produce the crop that you will if you inoculate. Why take a chance when it is a proven fact that inoculation pays as much as 500 per cent on the cost.

The highest priced food element the farmer has to buy is protein. This is why he buys soy bean meal, oil meal, and cotton seed meal. In growing alfalfa you can increase the protein content of the hay as much as 20 per cent by inoculation. The yield of soy beans has been increased as much as 20 per cent by inoculation at a cost of only about 25 cents per bushel. The poorer your soil and the harder to get a stand, the more necessary it is to inoculate.

We use and recommend McQueen's Dust Cote Inoculator, which is the easiest to apply and every can is guaranteed.

There is quite a lot of propaganda against dry inoculators, but most of this comes from those who are financially interested in wet inoculators. Some wet inoculators have shown poor results as well as some dry inoculators, which was caused this year by the extreme dry weather.

We can describe this in the form of yeast which is also bacteria life. Yeast foam can be kept for a year in a dry condition, but as soon as moisture is applied it starts to work. It is the same way with the dry inoculator. Fleischman yeast which is a wet form is one of the easiest to spoil. We fail to understand how wet bacteria from inoculators on soy beans, clovers, and other legumes can be kept a year or more in this condition when yeast in wet form, which is about the same form of bacteria, can only be kept 36 to 48 hours.

Soy beans or any other legumes have very little power to add any nitrogen to the soil without the aid of bacteria. No reasonable amount of nitrogen can be put into the soil unless nodules are present. Soy beans not inoculated produced 34 bu. per acre, soy beans inoculated produced 46 bu. per acre, an increase of 12 bu. per acre when inoculated.

Inoculation of soy beans not only increases the yield and increases the protein content of the hay, but also produces life to the soil, therefore putting it in better condition for the next crop. Inoculated soy beans increased the available nitrogen in the soil the first year 27 per cent; second year, 17 per cent; third year, 13 per cent. Inoculated soy beans increased the soil life, 14,500,000 bacteria the first year, 9,500,000 the second and 9,000,000 the third year per square foot.

NEW REDUCED PRICES

Clover and Alfalfa		Soy Beans and Cow Peas	
½ bushel size	\$.50	1 bushel size	\$.50
1 bushel size	.75	2 bushel size	.75
2½ bushel size	1.50	5 bushel size	1.50
Garden size, peas and beans	.20	10 bushel size	2.50

ORDER INOCULATION AT THE TIME YOU ORDER SEED.

Be sure to order your inoculation for seed at the time you place your order. This can be shipped in the bags safely without any additional expense. When you order this way you will have it at the time you will want to use it. Otherwise you would possibly neglect or forget to order it, and at sowing time would not have it.

Kelly's Inoculator

To those who prefer a wet inoculator, we will be glad to furnish our Kelly's inoculator, which we think is the best inoculator you can buy in this form. We have had this put up under our own label for several years, and it has given good results.

It has a jelly base, but is condensed much more than the majority of wet inoculators being offered. Some of the wet inoculators deteriorate very rapidly. This base must be condensed to keep it from spoiling. In canning fruit it must be boiled down in order to keep. The same applies for the base in wet inoculators.

Kelly's inoculator comes to you in a bottle with a patented cork which allows enough air in the bottle to supply the bacteria with fresh air to live. They are live animals and must have fresh air.

PRICES: ½ bu. size for all clovers, alfalfa, 30c; bushel size, 50c. Soy beans, bushel size, 30c; 5 bu. size, \$1.00; 10 bu., \$1.75.

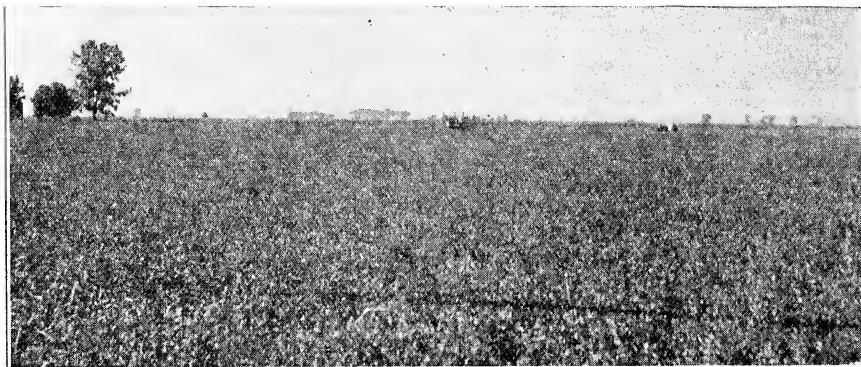


Sweet Clover

Too much cannot be said about the benefits of growing sweet clover. Farmers are fast realizing that sweet clover is a valuable source of fertilizer, not only converting and preparing insoluble plant food into soluble form so that a plant can use it, but adds nitrogen to the soil the same as nitrate fertilizer, such as Nitrate of Soda or Sulphate of Ammonia.

There is no reason why farmers should buy these fertilizers when they can secure them from the air by growing sweet clover or alfalfa. In the past ten years the acreage of sweet clover has increased in Illinois from about 50,000 acres to over 750,000 acres, or about 15 times as much sweet clover grown now as then. Sweet clover when the soil and seed are well inoculated with bacteria that make the atmospheric nitrogen available are especially efficient in permitting the plant to feed upon nitrogen in the air rather than depleting the limited supply that is in the soil. You can establish a nitrogen plant on your own farm by growing sweet clover.

Muscle Schools which cost millions of dollars secures nitrates from the nitrogen in the air. Sweet clover plants do the same thing.



A good stand of sweet clover on one of Peter J. Imig's farms west of San Jose. On rich swamp land which does not require liming. This will make a 75 bushel corn crop or more next year. The best fertilizer you can grow on any soil.

Varieties of Sweet Clover

We sell four different varieties of sweet clover, all different and all can be used to advantage. First and best for all purposes is the Big White Biennial. This is the largest variety for both top and root growth. It also grows over the longest period of time. Sow sweet clover early, as soon as the ground is fit to work the seed into the soil. Do not pasture late in the fall. Do not allow to stand more than one year. The second year adds little. The first year the plant food is stored in the roots, most of this being stored in the last 30 days of the growing season, in late October or November. This is one reason why sweet clover should not be plowed before the latter part of November or the first part of December. The second year the plant translocates this plant food from the roots to make the top, which adds little fertility to the soil. Plow real late in the fall or early in the spring. Do not let sweet clover get over six inches high before plowing it under. For prices see page 63.

Yellow Blossom Sweet Clover

This variety similar to the Big White, but is not as large or as late a maturing variety. The hardiest of all varieties of sweet clover. Starts growing early in the spring. Matures about September 1st. A good variety for honey bees to work on. Our stock of Yellow Blossom is all home grown. We have both scarified and unhusked seed. Unhusked seed is worth 10 cents per pound. Hulled seed about \$6.50 per bushel.

Grundy County Sweet

This variety originated in Grundy County, Illinois, and today grows all over the United States. In fact, Grundy County or Crystal Dwarf, as sometimes called, produces so much seed, and is so much easier to handle and harvest than the Big White, that it is getting very hard to get pure strains of Big White Blossom. Grundy County is a smaller variety which makes very fine hay, similar to alfalfa. This sweet clover should also be inoculated as well as all other varieties.

Hubam

An annual sweet clover. A sweet clover discovered by Prof. Hughes, of the Iowa Agricultural College, about 15 years ago. When this variety was first introduced, we sold it for \$1.00 per pound. Today it is worth only about \$10.00 per bushel.

In 1930 we had one customer who harvested 28 bushel of wheat to the acre and two bushels of Hubam clover off the same land. Do not sow before April 1st, as this variety is different from the biennial varieties. Sow about 10 lbs. to the acre.

Amount of Sweet Clover to Sow

Sweet clover like alfalfa depends greatly on the kind of soil you have. On rich black soil, sow a bushel to eight acres. On thin high ground better sow a bushel to four or five acres. If your ground has grown sweet clover before and is well limed, possibly a bushel to six or seven acres will secure a good stand.

Clover Mixture—a Three Story Crop

It is found from experience that a clover mixture will do more to turn under as a fertilizer than any one single clover crop, also will produce more pasture or hay.

We can give you more for your money in this mixture than anything we have to offer. Some of these seeds we buy as mixed seeds. Seeds such as sweet clover and red clover which grow as a mixture and cannot be separated, we buy at very low prices. This is one reason why we can sell this mixture which consists of good seed at a lower price than you could buy the seed separately and mix it. Oftentimes in cleaning seeds they become slightly mixed. These cannot be sold as straight seeds, but are good for mixtures.

This year we bought 10,000 pounds of red clover and sweet clover which grew together, having about 38 per cent red clover and the balance sweet clover. This is a splendid mixture to use in our regular clover mixture.

The alsike grows very thick and close to the ground, the red clover grows a little higher above the alsike, and the sweet clover grows above the red clover, making a good three story crop.

We sell this seed 60 pounds to the bushel. It consists of 20 pounds of red clover, 15 pounds of alsike and 25 pounds of sweet clover. Approximate price, subject to market change, \$11.00 per bushel. Be sure to order some of this mixture this year.

Pasture Mixture

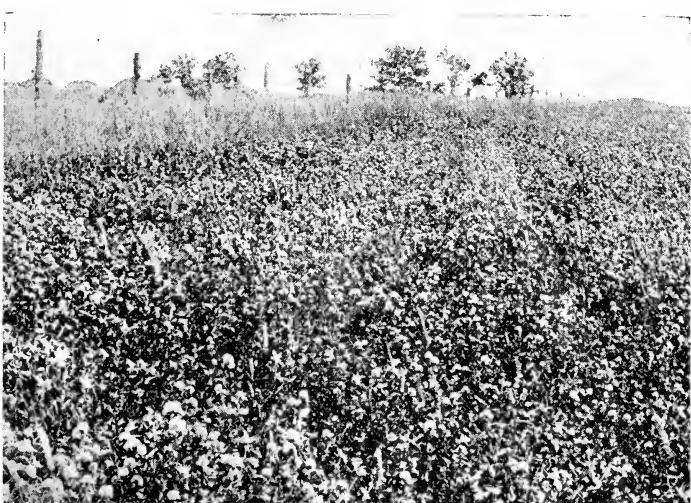
Every season we have calls for a good pasture mixture. We offer a mixture which we have sold for a good many years which has given very good success. This mixture consists of 9 pounds of red clover, 7 pounds alsike, 10 pounds sweet clover, 20 pounds timothy and 4 pounds of Red Top. We sell this 50 pounds to a bushel. Sow 8 pounds per acre on average soil. Get this mixture. The sweet clover will make you an early pasture, the red clover will come in next and the alsike next. The timothy will not make much of a growth until towards fall, but if the red clover and sweet clover have been eaten, the timothy and red top will make fine late fall pasture. Approximate price, **\$8.50 per bu.**, subject to market change. For exact price see page 63.

Timothy

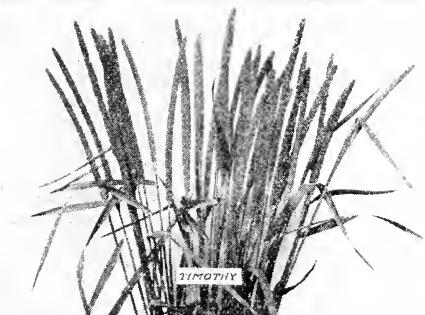
The standard hay of commerce. While timothy adds very little to the soil, it is necessary to sow some in order to get a meadow or pasture started. Often if you sow about two quarts per acre of timothy and clover it will be a great help in holding the clover up from lodging and falling down, and molding as it often does in a wet season.

In 1930 one of the smallest crops of timothy seed the past 12 years was produced. Most of the crop was killed by the extreme drought, and this made one of the heaviest fall demands for timothy seed we have ever experienced in our 25 years in the seed business. We had a very short crop, and a heavy demand during the months of September and October.

There was a heavy export trade, something like 2,000,000 lbs. being exported to Canada alone during the month of November. In addition to this large exports were made to Germany during the same month. This practically cleans up the crop in this country. Prices on timothy are now at the highest point since the war time price of 1920. We still have some high quality seed bought in Iowa last fall, and quote you on this subject to stock on hand only. Approximate price, **\$6.00 per bu.** For exact price see page 63.



Note the wonderful growth.



Kentucky Blue Grass

We are the largest buyers of Kentucky Blue Grass in Central Illinois, buying this seed direct from the growers in the producing sections of Kentucky and Missouri.

Blue grass seed this year is high on account of a very short crop. The majority of seed which is offered is not up to standard. We purchased our seed early, buying only 21, 23 and 25 lb. seed. Fourteen lbs. is considered the weight for a bushel of blue grass. The 14-lb. blue grass contains so much chaff and hulls (that are of no value whatever) that we do not buy this light seed. We use thousands of pounds of Kentucky Blue Grass every year in our lawn mixtures which we furnish to golf clubs, public parks, school boards, cemeteries and private homes.

Blue grass and red top is produced in sections where the soil is rather thin. This year these sections were very badly hurt by the drought which makes both blue grass and red top short crops, in fact, some think there will not be enough of either of these two to last through the season of 1931.

PRICE: Single lb. 50c; 5 to 10 lbs. 45c; 100 lbs. or more, \$40.00 per hundred. Special prices on larger quantities.



Red Top

Many people in this section are not familiar with red top. Red top is a narrow leaf grass very similar to blue grass, only a coarser root system and coarser top growth. It is said that red top will grow on the poorest soil, and is the last thing grown before soil is abandoned. Eighty-five per cent of the red top grown in the United States is grown in a small section in Southern Illinois. Thus, the price on red top is practically controlled by these growers.

Red top is one of the best grasses to put into lawn mixtures. It is also used on fairways on golf courses. It will stand more hot weather and abuse than any other grass. When blue grass dries and burns up, red top stays green and thrives.

Both blue grass and red top do better on acid soil, which is the opposite of clovers.

The price on red top is also high this year on account of it being grown in a section where everything burned up last year.

PRICE: Single lb. 40c; 5 to 10 lbs. 35c; 100 lbs. or more 30c. Write for special prices on larger lots.

White Dutch Lawn Clover

This is the small white blossom clover you see growing in lawns and pastures. Some seasons it will grow most any place whether seeded or not. It will lay in the ground for twenty years and when the season comes which is just right, it germinates and makes quite a growth. Most of this seed we get from a section in Wisconsin. It is used in lawn mixtures, but we do not recommend using very much of it for this purpose, although a small amount will help in getting a lawn started.

PRICE: 45c single lb.; 10 lbs. 40c. On large lots write for special prices.

Kelly's Stay Green Lawn Grass

Owing to the high price of Kentucky blue grass, red top, and most other grasses which go into this good mixture, prices on it are much higher. Kentucky blue grass costs twice as much as it did last year.

The foundation of all good lawn mixtures is Kentucky blue grass.

Kelly's Stay Green makes a good lawn mixture, costs more than many of the cheap lawn mixtures which are being offered at the chain stores today, and which do not contain any blue grass or red top but consist of cheap rye grasses, timothy, chaff and cleanings. Some of these mixtures are almost worthless as the analysis shows on the box, some showing as much as 25 per cent inert matter which is mostly chaff and dirt. It is no wonder they are disappointing the people who buy them. We mix all of our own lawn mixtures from the best grade of seeds and of seeds best adapted for the purpose.

Packed in 1 lb. cartons at 50c lb. 5 and 10 lb. bags 45c lb.; 10 to 50 lbs. 40c lb.; 100 lbs. or more 35c lb.

Some grasses in our Stay Green mixture cost as much as \$1.25 lb. This mixture contains best grades of Kentucky blue grass, red top, German Bent grass, White Dutch clover, and other grasses.

Glen Oak Park Lawn Mixture

A good medium price lawn mixture which will give good results. All well recleaned seed. Consists of blue grass, red top, fescue, timothy, White Dutch clover, alsike and rye grasses.

PRICE: 25c per lb. in lots less than 10 lbs.; 10 to 50 lbs. 22½c; 100 lbs. or more, 20c per lb.

Shady Place Grass Mixture

Mixed especially for shady lawns, and spots where it is difficult to get a good stand of grass. Some grasses do better in shade than others. In this mixture we have used grasses best fitted for this purpose.

PRICE: 1 to 10 lbs. 45c lb.; 10 to 50 lbs. 40c lb.

Terrace Mixture

This mixture consists of coarse, rooted grasses, which will hold terraces and slopes in place. It can also be used to good advantage in gullies and wash-outs.

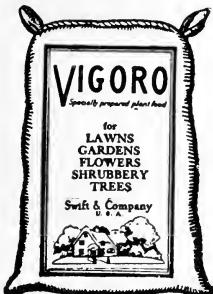
PRICE: 1 to 10 lbs. 35c per lb.

Lawn Fertilizers

Kopper's Velvet Lawn Fertilizer

Feeds the grass and starves the weeds. This is Sulphate of Ammonia which is nothing more or less than nitrogen extracted from coal. Sulphate of Ammonia contains over 20 per cent pure nitrogen, which is one of the most essential lawn foods. Kopper's Velvet Lawn fertilizer holds and checks the worst lawn weeds such as plantain, buckhorn, dandelion, crab grass and chick weed. It is odorless, clean and free of weed seeds. Will not injure the hands or clothing.

You can buy nitrogen in this form at a lower cost than any other way. Use 2 lbs. of Sulphate of Ammonia to 400 sq. ft. of lawn. Ten lbs. is equivalent to 400 lbs. of the best manure. Easy to apply. Sprinkle on dry and wet down. **PRICE: 5-lb. can 65c; 10-lb. bag \$1.00; 25-lb. bag \$2.00; 100-lb. bag \$4.50. Special prices on larger quantities.**



All Plant Life Must Have Food

Like human beings they require a balanced diet for normal, healthy growth. Vigoro, the complete, scientifically prepared plant food, contains all the nourishment necessary to produce thick, velvety-green lawns; large, richly colored flowers; early delicious vegetables; and healthy, full-foliated trees. Vigoro is clean, odorless, and easy to use. It's economical, too! Full directions in every bag.

PRICES

100-lb. bag	\$5.00
50-lb. bag	3.00
25-lb. bag	1.75
5-lb. pkg.	.50
12-oz. pkg.	.10

VIGORO
Complete plant food

A product of Swift & Company

For Lawns, Gardens, Flowers, Shrubbery and Trees

We also have Sheep Manure, Bone Meal, Nitrate of Soda and Florists' Bone Meal.

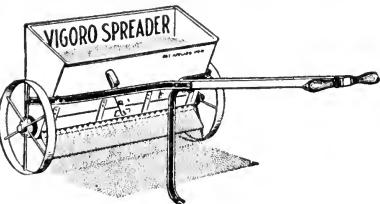
Fertilizer Spreader

This little machine fills a long-felt need for a small fertilizer distributor at a small cost. Will spread any dry material, adjustable to any quantity.

Price \$12.50.



Dwarf Essex Rape makes good feed for sheep and hogs.



Dwarf Essex Rape

This year we have the finest lot of rape seed we ever handled. According to our state analysis it does not show a single weed seed present, and weeds are something to guard against in buying imported seeds. Most of our bad weed seed came into our country in seeds. We import our own rape seed, buying it from the same grower for several years in Holland. We have it shipped to New Orleans by boat, then by rail to Peoria. The new \$300,000 dock will soon be completed at Peoria. Next year we can get it shipped direct

from Holland to within two blocks of our store. Genuine Holland grown Dwarf Essex rape is really the only variety to buy. Much Japanese sowing rape is being offered as it is cheaper than the Dwarf Essex variety. We were very fortunate to buy at a low price, and also to receive the best quality, as some rape was badly damaged last year in Holland on account of the excessive wet weather. We offer you rape seed this year at a lower price than we have ever been able to offer it. A light seeding of oats, about one bu. per acre, and 10 lbs. of rape seed makes one of the best early pastures. When sowing alone sow 15 to 18 lbs. per acre. When sowing in corn sow 10 lbs. per acre.

PRICE: Small lots, 9c lb.; 50 to 100 lbs. 7c; full bag lots, 225 lbs. or more, 6c per lb.

Wisconsin Pedigree No. 37 Barley

We have secured a limited amount of Wisconsin's wonderful new barley, known as Pedigree No. 37. This is a barbless barley which has outyielded all others. Is also especially good for feeding.

PRICE: Less than 10 bu., \$1.25 per bu.; larger quantities, \$1.15 per bu.

Velvet Barley

This is a new variety of barley which is barbless but has beards. No worse to handle than common bearded wheat. Very hardy. Originated at Minnesota Agricultural College.

PRICE: Small lots, 85c per bu.; 50 bu. or more, 75c. Special prices on large lots. Packed in bags holding two bushels at 10c each.



Illinois No. 1 Spring Wheat made 36 bushels per acre.

Illinois No. 1 Spring Wheat

This is the best variety of spring wheat for Illinois, having been grown here for the past four or five years with good results. One of the most essential things for a large crop of spring wheat is to put it in early. Plant Feb. 1st or thereafter as soon as possible. Spring wheat sowed March 1st made 29 bu. per acre. Same variety March 16th, 27 bu.; March 29th, 23 bu.; April 10th, 22 bu. This, of course, depends upon the season as we have seen spring wheat sown in the last part of April and make as much as 25 bu. per acre, but this does not happen often. Our stock of Illinois No. 1 spring wheat is all home grown, re-cleaned, tests No. 1, and weighs 62 to 64 lbs. per bu.

PRICE: On small quantities, \$1.10 per bu.; 50 bu. or more, \$1.00 per bu. Sacked in 2½-bu. cotton bags for which we make a charge of 30c each.

Seed Oats

Last year we had the highest quality oats that were ever grown in this section. Some weighed as much as 42 lbs. per bu. and most of them weighed around 35 lbs. These oats were threshed dry, the majority without any rain at all.

Gopher Oats

This is a new variety of oats which has been grown for the past two years with good results. This year we had Gopher oats which made 60 bu. per acre, and weighed 37 lbs. per bu. We only have a limited amount of these oats.

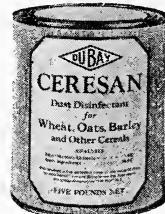
PRICE: Small lots, 60c per bu.; larger lots, 55c per bu.

Kanota Seed Oats

A new variety of oats which look much like barley, short, thick, heavy grain with no beards. Often weighs as much as 42 lbs. to a bushel. One of the best oats for grinding. After being ground they look like flour middlings. Our stock of these is very limited. **PRICE: 75c per bu.**
Bagged in burlap bags holding four bushels. Bags 15c each.

Iowar Oats

One of the best varieties of white oats, produced by the Iowa Agricultural College several years ago. A medium early maturing variety. Stands up well and threshes out a lot of oats for the straw. Produces a fair amount of straw. **PRICE: 45c per bu.** Special prices on large quantities or car lots. These oats are shipped in bags holding 4 bu. for which we make a charge of 15c. All oat shipments, F.O.B. San Jose.



Silver Hull Buckwheat

For the latest profitable crop plant Buckwheat. Buckwheat will mature in 60 days and for this reason it may be planted after wheat is cut or on low lands where crop cannot be put in before this date.

Last year we sold many hundreds of bushels of Buckwheat which was planted on low lands where too late to put in corn. Buckwheat can be planted just the same as wheat, sowing about a bushel per acre.

The best time to sow Buckwheat in Illinois is about July 1st. An average crop around 18 bushels per acre; 50 lbs. to the bushel.

There are two varieties grown in this section—the Japanese, most of which is grown in the extreme north and the Silver Hull which is the best adapted here.

Silver Hull has a rather small grain, light gray in color, very productive, and makes high grade flour. Price: \$2.25 per bushel; 10 bushels, \$2.10; 25 bushels or more, \$2.00 per bushel. All subject to market changes. Sow one bushel to acre.



Sudan Grass

One of the best emergency crops and one for which there will be a big demand this spring. Sudan belongs to the Sorghum family, and although it grows coarse it is a very rich feed, and stock will thrive on it.

Sudan is a warm weather plant and should not be planted before May 15th. Sow 12 to 15 pounds per acre. Stocks are very light, and prices will be high during this season. Sudan will produce a big crop of hay or pasture in six weeks that will last until frost. After getting a good start will produce an enormous amount of feed. Price on smaller lots, 12c per lb.; 25 to 100 lbs., 9c per lb. Write for special prices on large lots.

German Millet

Often called Golden Millet on account of color, the best variety of millet to sow. Grows tall, stiff stem with broad, green leaves. Not as early as the common but produces more hay and seed. Millet will make a hay crop in 50 days and seed in 65 days. Sow 20 to 25 lbs. per acre. **Approximate price \$2.00 per bushel.**

Soy Beans

Soy beans are becoming a regular crop with many farmers. To farmers who have combines they are a good crop to grow, and will make more money than wheat or oats. The best way to grow soy beans is to plant them in rows 24 inches apart and cultivate. The time to plant soy beans is from May 5th to 10th. Too many get their soy beans in too late. Yields, according to the University of Illinois, show lower when planted at later dates. For drilling in rows 24 inches apart, a bushel per acre should be sufficient. When drilled in rows 12 to 14 inches apart two bushels per acre will give best results. At the University of Illinois seedings were made at different ratios of 1 to 4 bu. per acre and the 2 bu. seeding gave the highest yield.

Illinois is now the largest producer of soy beans in the United States. While the price is low this year it will advance in line with other grains. We are in a position to make you a lower price than most anyone in the United States on soy beans, as we are in the growing section where last fall we took thousands of bushels direct from the combines into our seed house, some days taking in from as many as six combines at one time. On all of these beans there is no freight or handling charge of any kind. They are cleaned over our big mill, by which one man can clean 800 bu. per day. These are then run into bins where they are stored until we receive your order.



It Is Very Essential That Soy Beans Be Inoculated

The yield will be greatly increased by inoculating, and you will add more nitrogen to the soil. Soy beans not inoculated are soil robbers. Soy beans not inoculated at the University of Illinois produced 34 bu. per acre. Soy beans inoculated produced 46 bu. per acre.

If soy beans are grown for hay the protein content can be increased as much as 20 per cent by inoculating.

If you have your own soy beans, be sure and order inoculation. This will cost you \$1.50 for 5-bu. size; \$2.50 for 10-bu. size or 55c per lb. for McQueen's bulk inoculator which inoculates three bushels. We sell bulk only in quantities to inoculate 50 bu. or more. Kelly's wet inoculator, 5-bu. size, \$1.00; 10-bu. size \$1.75.

Soy Beans Inoculated, 30c Per Bu.

We will inoculate soy beans in a special machine which we have for this purpose with McQueen's Dust Cote for 30c per bu. When inoculating with McQueen's Dust Cote, seeds can be inoculated in advance for weeks at a time.

When using wet inoculators do not inoculate until you are ready to sow. Better still, inoculate in the field as sown.

SOYBEAN NODULES
Formed by
McQUEEN'S Inoculator

Best Variety of Soy Beans to Grow

Illini This variety we consider the best of all to grow for market. By comparison it outyields all other varieties. It also has several other advantages over other beans. Highest yielding. Oil content compares favorably with others. Matures about five days earlier than Manchu. Stands up well. Pods higher from the ground than most varieties. The Illini pod is about 6 inches from the ground. Most other varieties have their pods 3 or 4 inches from the ground, or so low that quite a lot of beans are too low for a combine to get. Pods mostly three seeded. Other varieties mostly two seeds to the pod.

We have a big stock of Illini beans, most of which are from certified seed. Illini also makes a very good hay bean when sown thick.

WE ALSO HAVE GENUINE STATE CERTIFIED ILLINI.

Manchu The Manchu bean has been in the past the most popular bean in the Corn Belt. We consider it still one of the best. Reasonably early maturing bean. Matures in 105 to 110 days. About the same time as Reid's Yellow Dent corn. Does not shatter easily. Stands up well. High oil content. A bean which has been grown over a large section of the United States. Be sure to inoculate with McQueen's Dust Cote inoculator or Kelly's inoculator. For prices see page 63.

Dunfield A bean brought out by the Indiana Agricultural College at Purdue. Somewhat similar to the Illini only lighter in color and larger beans. A little more branching, and carries a little heavier foliage than the Illini. One good feature of the Dunfield is that it will stand out in weather for weeks and not shatter.

Black Eyebrows A big yellowish brown bean with a large black spot on the side. This is a good yielder, has a very stiff stalk, stands up well, and early maturing. Matures in about 100 days.

Morse A rather small green bean, the earliest of all varieties. Will mature in about 90 days. This is the variety which is sometimes used and sown after a crop of wheat is harvested on the same ground, and will mature before frost.

Ebony A small black bean. Grows about 30 to 35 inches high, has a fine stalk and grows a very heavy foliage. Ninety per cent of the protein in soy beans is in the leaves. This is why the black Ebony beans are so much better for hay. Rather late maturing, requires about 120 days to mature. Seed scarce this year. Our stock is limited, so we ask you to order your needs early. For prices see page 63.

Wilson No. 5 This bean is very similar to Ebony. Instead of being a round bean it is more of a flat bean. Medium size, grows and matures very much like the Ebony. Makes a very good hay bean. Matures about five days earlier than the Ebony. Black beans are not the best to grow for milling purposes, but are much the best hay beans.

Virginia A medium size bean, dark brown in color. Rather flat, late, in fact, too late for sowing except for hay or to plant with corn to cut up for silage. These beans will grow to the top of corn stalks 10 ft. high. Very good bean for Southern Illinois. Be sure to inoculate all soy beans with McQueen's Dust Cote or Kelly's inoculator. For prices on beans see page 63.

Hay Mixture Beans We have Ebony, Wilson and yellow beans mixed which makes a very fine hay mixture. Often we are able to buy these mixed beans at a discount and offer them to you at low prices. For price see page 63.



FEDERAL WAREHOUSE

This is where we store thousands of bushels of seed for our Peoria trade. A new fire proof warehouse where switches go under the building so cars can be unloaded several at once with no hauling to be done. Insurance rates only 15 cents per \$100.00.

We clean seed and grain during the winter, getting it from all over the Northwest and store here ready for your orders.

At San Jose we have around 140,000 bushel storage space of our own.

Cow Peas

The crop of soy beans this year is very short, which naturally makes high prices. We are near one of the greatest cow pea sections of the state, that of western Mason County where thousands of bushels of cow peas are grown every year. We buy these direct from the growers and are in a position to furnish good peas at low prices. All these peas are more or less mixed, consisting of Whippoorwills, Clays, Red Rippers and New Eras. For prices see page 63.

BRABHAM PEAS. We have a few pure Brabham's, the new high yielding variety, which is just coming on the market. Prices on these \$3.00 bu., subject to market changes.

COW PEAS SHOULD BE INOCULATED THE SAME AS SOY BEANS.

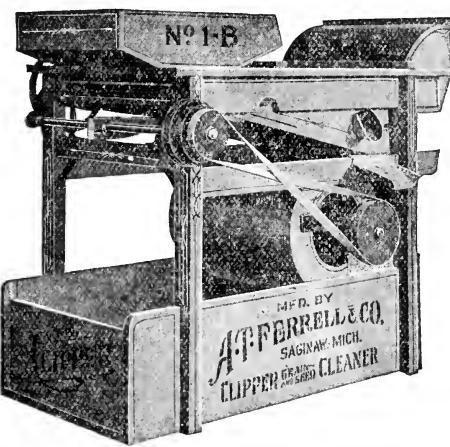
CLIPPER MILLS

Every farmer should own a good fanning mill. A good fanning mill will pay for itself in a short time by being able to clean up small lots or odd lots of seed which can be used to good advantage. This is especially true in handling soy beans and cow peas. Soy beans can be recleaned and the split beans are worth \$1.00 per bu. for feed or can be sold for milling purposes at this price. If the split beans are left in your seed they are a total loss. Wheat, oats and barley should also be cleaned before planting. You will get an evener stand, a better crop will be produced as the small seeds will be taken out which possibly would germinate but will not produce a good plant.

From our 25 years' experience in the seed business, we have found that the clipper mill will do better work than any other. We are state agents for the clipper line of mills, buying these in car lots of from 75 to 100 mills in a car.

Clipper mills are made in many sizes for different uses. Farmers' mills are in two sizes. No. 1 "B" which cleans about 10 bu. of clover seed per hour, complete with 12 sieves, **\$37.50**. No. 2 "B" which cleans 15 bu. of clover seed per hour, complete with 12 sieves and drive pulley for use with gas engine or motor, **\$45.00**.

If you have a dealer in your town who stocks clipper mills, see if you can buy from him first. If you have no dealer in your section, send your order to us. We do not want to ship mills into a town where we have a good dealer.



Semesan Jr. increases yields at small additional costs

if the ground is wet and cold, this treatment seems to be effective. One pound can treat 8 bushels at a cost of **\$1.75**. Five-pound can treats 40 bushels, costs **\$8.50**. We will treat any seed corn you buy from us at a cost of 25c per bushel extra.

SEED DISINFECTANTS

Semesan Jr.

We find from experience that it pays to treat seed corn with Semesan Jr. The cost is very small, less than 3c per acre. According to the University of Illinois for 1929, seed corn treated with Semesan Jr., a better stand was secured and yielded three bu. per acre more than the same kind of seed untreated. Think of this: three bu. of corn extra per acre at a cost of 3c or 1c per bu. What can you do that will increase your corn yield 3 bu. per acre at this small cost.

Seed corn can be treated with Semesan Jr. weeks in advance with no injury to the germ. Rats and mice will not bother seed corn after being treated with Semesan Jr. Corn planted with Semesan Jr. will come up quicker, and to be a protection against decay. One Five-pound can treats 40 bushels, costs \$8.50. We will treat any seed corn you buy from us at a cost of 25c per bushel extra.

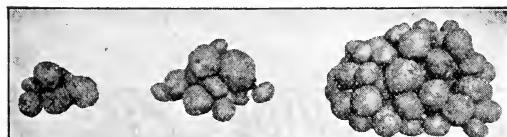
Semesan for Vegetables

Semesan is a dust disinfectant put out by DuPont, manufacturers of Semesan Jr. This dust is for vegetable seeds, flower seeds and bulbs. Very good for treating Gladiolus and Dahlia bulbs.

PRICE: One lb. \$2.75; five lbs. \$13.00.

Semesan Bel for Potatoes

Semesan Bel is prepared especially for the seed disinfecting of white and sweet potatoes. In addition to its advantages of dust application, it can be applied as an instantaneous dip. Semesan Bel instantaneous dip is rapidly displacing formaldehyde and bichloride for treating potatoes.



Unsalable Scabby Prime

Semesan Bel Reduces Scab and Increases Profits

These potatoes were grown from an equal number of the same lot of 100 per cent diseased seed pieces. Note the greater yield of prime quality potatoes and the smaller percentage of scabby or unsalable tubers obtained from the seeds disinfected with SEMESAN BEL.

Semesan Bel by controlling diseases which sap the vitality of seed potatoes, gives the seeds a chance to germinate quickly, producing sprouts of healthy vigor from which grow increased yields of clean healthy plants and tubers.

Apply to whole or cut seed potatoes either as a dry powder or dip.

PRICE: One lb. treats 4 bushels of potatoes, \$1.75; five lbs. treats 18 bushels of potatoes, \$8.00.



ACME INSECTICIDES FUNGICIDES

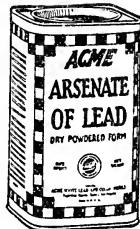


ACME PARIS GREEN

A rich, emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on: Potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 4 lbs. \$1.50.



Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Prices: $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 4 lbs. 70c; 100 lbs. \$16.00.



ACME GARDEN GUARD

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on: Cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1 lb. sifter carton, 20c; 5 lbs. 50c; 100 lbs. \$9.00.

**LIQUID LIME SULPHUR, 50 gallon bbl. 22c per gal., \$3.00 for bbl.
LIQUID LIME SULPHUR, 30 gallon bbl. 25c per gallon.
LIQUID LIME 10 gallon can 65c per gallon.**

KAYSO—A Casein spreader for use in lime sulphur, Bordo and Arsenate of Lead. Breaks up this material making it possible the perfect coating of every part of leaf and tree. Saves blotches which burn tree and foliage. Also a binder which makes the poison stick. Always use Kayso with your sprays. $\frac{1}{2}$ lb. package 20c; 2 lb. package, sufficient for 100 gallons of spray, 60c; 12 lb. bags, \$3.00.

WRITE FOR SPECIAL PRICES ON LARGER LOTS

We buy spray material by the carload at very low prices. Club orders and large orchardists orders our specialty.

For directions as how to use, write for spraying guide.
We sell Hudson Sprayers. Largest stock in Illinois.



ACME SPRAYING GUIDE

Compliance of
With the 1964 Act

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Ceresan

A dust treatment for oats, wheat and barley against smut and other diseases. Formaldehyde has been used with varying results on these grains but is not as applicable as it should be. In treating with formaldehyde, while the cost is lower than Ceresan, it may ruin the seed,

greatly reducing the yield of your crop. With the new Ceresan which is a dry powder there is no danger of affecting the germ in any way. Ceresan not only kills all kinds of smut but also controls all seed borne diseases such as stripe in barley, which is very hard to kill. Very easy to apply. Simply sprinkle on the Ceresan, then scoop and mix several times or mix in a seed box. From information secured at the University of Illinois in 1930, oats treated with Ceresan dust for a two-year average increased the yield 13.7 bu. per acre. This is a case where you can increase your yield at a low cost and produce a better quality grain at the same time. Results by using Ceresan on oats was more satisfactory when treatment was made a few days in advance of seeding, rather than on day of seeding. This is another advantage of Ceresan over formaldehyde. Oats, wheat and barley can be treated several days in advance of seeding, which is really an advantage, while with formaldehyde, these grains after being treated, should be sown at once. In another experiment at the University of Illinois of ten applications on an early variety of oats, they secured a yield of 11.4 bushels per acre average increase. Lower oats treated with Ceresan averaged on ten applications, 13 bushels per acre increase.

PRICE: 1-lb. can treats 6 bu., 75c; 5-lb. can treats 30 bu., \$3.00; 25-lb. pail treats 150 bu., \$12.50. At the present low price of grain you cannot spend this amount of money for anything that will bring you greater returns. On account of this treatment being poisonous, it cannot be sent by mail, but can be included in order with other goods by freight or express.



SCALECIDE

We are distributors for Scalecide in this section, getting it by the car load. Once used, always used, as a complete dormant spray. The delayed dormant spray with Scalecide controls scale of all kinds, aphis, pear thrips, leaf miner, case bearer, leaf roller, bud moth and canker. In addition to this the use of Scalecide year after year greatly invigorates the tree. Does not injure even the eyes. No burning, is non-poisonous, saves half the cost of spraying. Does its entire work in 30 minutes. Is not affected by rains like Lime-Sulphur. No clogging of sprayer.

WE GUARANTEE that, if you will divide an orchard, your worst or best, in two parts equal in general condition, and for three years, spray one part with Scalecide according to our directions and the other part with lime-sulphur, giving the same summer treatment to both parts, the part sprayed with Scalecide will be better than the part sprayed with lime-sulphur—in the judgment of three disinterested fruit growers—or we will refund the money you have paid for the Scalecide.

SCALECIDE PROLONGS THE LIFE OF YOUR SPRAYER

Price: 50-gallon barrel \$31.00; 30-gallon barrel \$22.00; 15-gallon drum \$11.50. In addition to these prices a deposit of \$3.00 for 50 gallon, \$2.50 for 30 gallon and \$2.00 for 15 gallon drum is required, to be paid back to you on return of drum. 10-gallon can \$10.00; 5-gallon can \$6.00. Freight prepaid to your station on above quantities. Special prices on large lots. One gallon cans \$1.60; 1 quart cans 70c.

SULFOCID—A Better Summer Spray

A powerful summer fungicide for fruit, vegetables and flowers. Best for the control of apple scab, brown moth in peaches and other serious diseases. One of the best summer sprays is to take one gallon of Sulfocid, two lbs. of Kayso and four lbs. of arsenate of lead. Always follow these directions in mixing. Put in Kayso first, arsenate second and Sulfocid last. This makes 200 gallons of spray material at a cost of about \$4.00, which is cheaper than home made Bordo and much better. **Price: Quart \$1.00; gallon can \$2.50; 5-gallon can \$8.50; 10-gallon can \$15.00.** Freight prepaid on 5 gallons or more.

RAT NIP

KILLS RATS EVERY TIME. Take slices of bread about half inch thick, squeeze Rat Nip on to them so that it can be spread evenly over the entire surface, using about the same quantity you would butter in buttering bread. Use an old knife in spreading. Sprinkle sugar over the surface, then cover with flour, cut bread into squares and place about premises infested with rats. Use a liberal amount, say about 50 pieces. If used around a dwelling, place a low pan of water near the bait. Next morning you will find rats near the water. Follow directions and you will soon rid your place of rats at a small expense. **Price per tube, 30c.** Poisons cannot be mailed.



B-K means Bacilli-Kill. The strongest disinfectant known. A household purifier. A new and better way to purify, deodorize and disinfect. B-K is a germicide that is different from anything you have ever used. It kills the germ of diseases and leaves no odor of its own. Every dairy farmer or handler of milk should not be without B-K. All milk bottles and dairy utensils should be sterilized with B-K. It has a germ killing power ten times as strong as undiluted carbolic acid. B-K works effectively with cold water, contains no poison, acid or oil and above all is cheap. Ideal for hospitals, school rooms, lunch rooms, toilets, barns, hog houses, etc. Send for free bulletin on this cleaner, "What B-K does for the farmer and why." Price: 4 oz. bottle, parcel post prepaid, 35c; 10 oz. bottle, parcel post prepaid, 60c; qt. bottle, parcel post prepaid, \$1.25; one gal. jug, express prepaid, \$3.00; 5 gal. jug, express prepaid, \$12.00.

B-K

RAT SCENT

The modern method of killing rats and mice. Rat Scent is a specially prepared poisoned combination of California grains, sun-dried and scented.

The scent attracts and draws rats and mice to the bait as much as fish draws cats. Rat Scent is easy to use. No odor from rats and mice.

Rat Scent being a grain is not an attractive food for cats or dogs which gives a greater safety to these animals. Not mailable but can be included in order with other goods, or can be sent by express. Price 35c a box.



and pets. (No danger of eating poisoned vegetables.) Cannot burn or otherwise injure most delicate plants even in the concentrated solutions. Keeps its strength indefinitely. No continuous agitation necessary—remains in solution and will not gum sprayers. Will not injure rubber, metal, hands or clothing. Tests show EVER GREEN to be effective against cutworms, cucumber beetles, cabbage worms, aphis (plant lice), leaf hoppers, thrips, rose slugs, melon beetles, currant worms and most other insects, both chewing and sucking. Being non-poisonous it is available. One gallon makes 800 gallons effective aphis spray. Prices: 1½ oz. 35c. (makes 9 gallons spray); 6 oz. \$1.00; 16 oz. \$2.00; 32 oz. \$3.85; gallon bottles, \$13.00. Full instructions with each bottle.

CARBOLA

A white mineral pigment which is not a lime or whitewash but a paint. It is a powerful disinfectant, 20 times stronger than Carbolic Acid. It is not a poison or caustic and is harmless to man or beast. This comes as a powder and is ready to use. Apply with a sprayer. You can mix Carbola today, and use at any time. Adheres to brick, stone, wood, cement, and even plaster board. Carbola is guaranteed to give satisfaction. Include some of this with your order for other goods, or we will send by express or parcel post.

PRICE: 5 lbs., 65c; 10 lbs., \$1.10; 20 lbs., \$2.20; 50 lbs., \$4.50. Carbola is never sold in bulk. Duster for using Carbola, \$1.75.

CYANOGAS

This is deadly gas, heavier than air and will travel down in the burrows of rats, ground hogs, woodchucks, prairie dogs, moles, ants, etc. A puff or two of this deadly gas in their burrows will kill them within a few minutes. Rats destroy \$2,000,000 worth a year in the United States alone. Rats carry diseases. They multiply rapidly. You can use a long handled spoon for placing this material in burrows, or better still by a hand duster as cut shows, which costs \$1.25. We also have a large foot duster at \$3.50.

PRICE: 1 lb. can, \$1.00; 5 lbs., \$4.25. This dust cannot be mailed. It can be shipped by express or shipped in order with other goods.

RAT-SCENT



Turn Garden Refuse into Manure

Every bit of non-woody refuse that comes from your garden—cuttings, leaves, vines, etc.—should be mixed with "ADCO," kept moist and thus converted into high grade manure.

It is very simple and not a bit laborious—and every garden NEEDS manure.

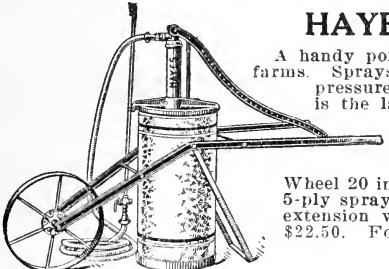
Prices: — 25 lb. bag, \$2.00.
Enough for 12 wheel barrow loads of garden waste, making a half ton manure.

Spray Your Plants This New Safe Way

A highly effective non-poisonous insecticide. Absolutely harmless to man, live stock, birds and will not gum sprayers. Will not injure rubber, metal, hands or clothing. Tests show EVER GREEN to be effective against cutworms, cucumber beetles, cabbage worms, aphis (plant lice), leaf hoppers, thrips, rose slugs, melon beetles, currant worms and most other insects, both chewing and sucking. Being non-poisonous it is available. One gallon makes 800 gallons effective aphis spray. Prices: 1½ oz. 35c. (makes 9 gallons spray); 6 oz. \$1.00; 16 oz. \$2.00; 32 oz. \$3.85; gallon bottles, \$13.00. Full instructions with each bottle.



HAYES WHEEL BARROW SPRAYER



A handy portable all purpose sprayer for trees, row crops and stock farms. Sprays disinfectant or whitewash. Powerful leverage and high pressure, has the regular Hayes barrel Sprayer No. 1721 which is the largest and more efficient than furnished with any other wheel barrow sprayer. Has extra long handle and extra size 2½ boiler tube air chamber, develops an air pressure and fog like spray with great ease. Heavy 12½ gallon galvanized tank, steel banded at top and bottom. Wheel 20 inches in diameter, 2½ inch tire. Has 12½ feet of half inch 5-ply spray hose with stay-on fittings and large agitators, 8 ft. steel extension with stop cock and one strainer nozzle. Price complete, \$22.50. For pump only for barrel sprayer, \$12.50.

Hudson's Sunshine Portable Sprayer

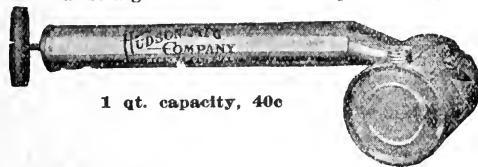


This wheel barrow type fills the needs of florists, nurserymen, gardeners, poultry raisers and farmers. For use in vineyards, orchards, truck gardens, poultry houses, etc., spray stock dip, trees, shrubs, and flowers.

12½ gal. galvanized iron tank, pump with dasher type agitator, brass valve easy to get at. Discharge equipment consists of 5 ft. ¾ in. 5-ply spray hose, angle spray nozzle with 2 ft. of iron pipe extension. Price, \$13.00.

Hudson Compressed Air Sprayer

These sprayers have tanks made like a steam boiler, seams all riveted, not soldered, which gives strength necessary for developing a high pressure and is absolutely necessary for good results. Complete with 2 feet of half inch hose, fine spray nozzle, a straight strainer cock cap and stop cock. Galvanized



1 qt. capacity, 40c



SPRAY HOSE

We carry a full stock of spray hose and fittings for Hayes and Hudson sprayers at our Peoria house.

BULL DOG SPRAY HOSE—There is quite a difference in spray hose as any one familiar with this work knows. Our best hose is BULL DOG, seven ply, made to withstand 400 lbs. pressure, also made to stand acid sprays—½ inch. Price 27c per foot.

GOODYEAR SPRAY HOSE—A good standard hose, five ply to use on the average small sprayer. In 25 and 50 foot lengths. ½ inch, 5 ply. Price 22c per foot.

GOODYEAR WINGFOOT SPRAY HOSE—½ inch. Price 17c per foot.

GARDEN PLOWS

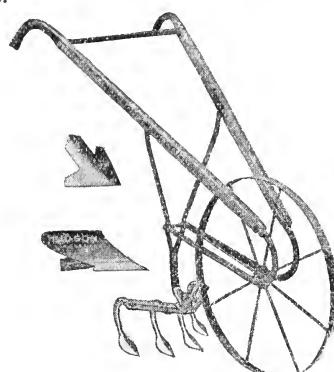
We carry in stock several styles of garden plows, but offer this all purpose plow as a special bargain at a low price.

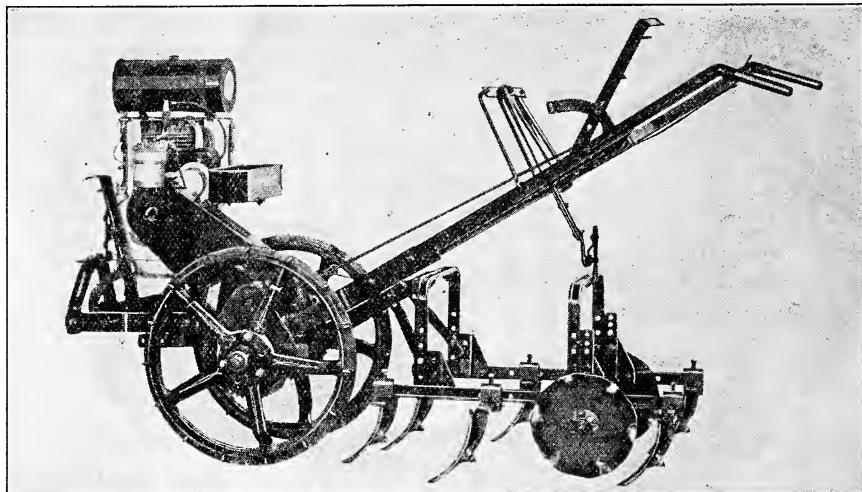
Few people realize the value of a good garden plow until they have one.

You can do ten times as much work in an hour as with a hoe, and you will find it easier to use. This is a well built plow, having a 24-inch wheel which makes it very easy to push.

Can furnish with any equipment, but comes regularly with a breaking or turning plow, a middle buster and a double end bull tongue which is the tool for close cultivation. One packed in a bundle. Weight, 22 lbs.

Price: \$3.25.





Tractor with MC-1 tool bars, equipped with U9 standards and six 1 1/4 x 8-inch cultivator steels.

PLANET JR. GARDEN TRACTOR

Increased production of vegetables has resulted in lower prices. The only way for the grower to make his profit, therefore, is to reduce his costs. Experiments with large tractors has proved that gasoline is cheaper than horse power or man power.

In order to reduce production costs to the point where there is a profit margin many crops have to be planted in rows so narrow that a large tractor cannot be used in them. Once more gasoline produced a machine to help out the farmer. The small, so-called Garden Tractor was developed, which replaces one-horse cultivation and hand wheel-hoeing.

Planet Jr., out of their fifty odd years of experience in designing and manufacturing specialized farm and garden tools, slowly and carefully worked out the design of a Garden Tractor that would provide the grower with a machine that would successfully and economically meet every reasonable demand he could make of it.

Planet Jr. had been making practically all the cultivating and most of the seeding equipment used on Garden Tractors ever since they were first used. We recommend the Planet Jr., and if you are interested in a tractor write us and we will mail you a catalog almost as large as this one, telling and showing all about them, or better still, if possible, call at our Peoria store and see these tractors. Price \$248.00.

No equipment is included at this price.

BOLENS GARDEN TRACTORS

Special features of the Bolens tractors are patented arched axles, combination tool control, offset handles, double clutch drive, instant hitches, cultivating equipment will work on one, two and three rows, air cleaner for carburetor, and many others. We will be glad to mail you a catalog of the Bolen tractor. Price, freight paid your station, \$185.

One new Gravely Tractor. Never
been used, for \$155.00

PLANET JR. TOOLS OF ALL KINDS

Space will not permit to show all Planet Jr. tools we carry, but if you will let us know what you are interested in we will send you a special catalog which shows, describes and prices them. We carry in stock at Peoria a big line of Planet Jr. attachments.



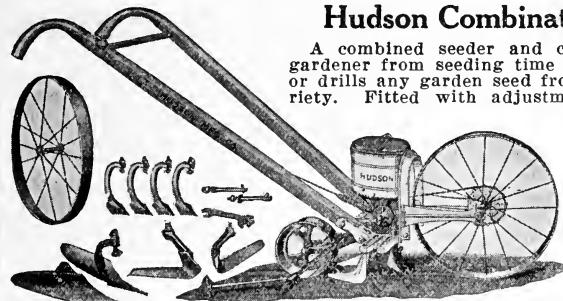
Hudson Combination Seeder and Cultivator

A combined seeder and cultivator. An equipment to serve the gardener from seeding time until final cultivation. It sows in hills or drills any garden seed from peas or beans down to the finest variety. Fitted with adjustments to care for every gardener's requirement.

As a seeder it opens the furrow, drops the seed, covers the furrow, packs the earth and marks the next row.

The seed regulating plate is brass with openings die cut to insure absolute uniformity. This gives perfect control of the seed flow and assures a uniform drop. Sows all seeds from beans down to the finest garden variety, in continuous drill or hills, 4-5-6-8-12-24 inches apart. Adjustments in furrow opening shoe and cover, permitting planting at any depth to 2 inches.

One in wood box, handles bundled separately, shipping weight 56 lbs. Shipped by express prepaid for \$14.00. Regular Priced \$17.00.



"The very Implement we Need"

Meeker Smoothing Harrow

The Meeker Smoothing Harrow prepares any soil for planting. Famous seed growers use the Meeker Smoothing Harrow. It is a perfect pulverizer, smoothing harrow and rollers combined. It has four sets of rollers equipped with 46, 58 or 82 discs depending on size. These discs are set in alternating rows so the entire surface is thoroughly worked. They grind up all lumps leaving the soil fine and smooth, even in damp soil. The alternating arrangement of the discs prevent clogging. The board in the center serves as a lever. It smooths down ridges and fills up hollows.

DOES THE WORK OF A DOZEN MEN

The Meeker harrow will give just as good a seed bed as you can get



Meeker Smoothing Harrow "Helps Good Seeds Grow"

by hand raking and will do the work of a dozen men at small cost. In fact the Meeker Harrow gives a better seed bed because it does the work much deeper than a rake, stirring and pulverizing the soil to a depth of 4 to 5 inches.

Burpee, Hurd, Gregory, Brech, Woodruff and other leading seedsmen are using the Meeker Harrow for making a perfect seed bed,

also thousands of Market gardeners and truck growers. Write for folder, "Results of a Meeker Harrow."

	Prices
4' 6" x 4' harrow with 8 inch discs	\$35.00
6' 8" x 6' harrow with 8 inch discs	40.00
6' 8" x 6' harrow with 10 inch discs	50.00
8' x 6' harrow with 8 inch discs	55.00
8' x 6' harrow with 10 inch discs	60.00

Wire Glass Cloth

This is a light weight unbreakable material, which admits light, is hail proof, cold proof and weather proof. Has heavy galvanized screen wire base.

Ideal for hog houses, hot beds, cellar windows, covering screen doors for winter, chicken houses and in fact anywhere that you want light and sunshine.

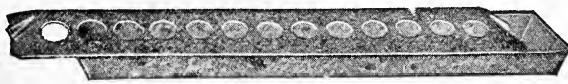
This material transmits the Ultra Violet Life-Giving Ray and the essential vitamine D where the common sand glass does not.

We have this in 26-inch width for 28c per lineal foot and the 36 in. width for 40c a lineal foot.

Turner's Glass Cloth

This is a glass substitute, but has no screen wire in it. Admits light and keeps out cold. Will last two or three years. 36 inches wide, 9c per lineal foot; 25 foot roll, \$2.00.

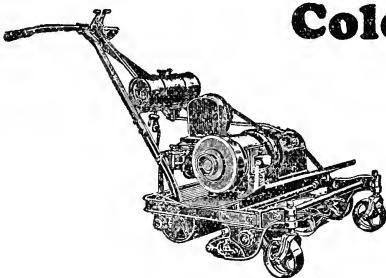
Double Chick Feeders



Galvanized Steel.....10 in. 10 holes, 4 for 60c; 6 for \$1.10; doz. \$2.00; 20 in. 20 holes, doz. \$3.00
Aluminum.....10-in. 10 holes, 3 for \$1.60; 6 for \$3.00; 20-in. 20 holes, doz. \$6.00

These feeders permit the chicks to feed on both sides. Prevent waste of feed, and keep it clean. Sliding top comes off readily for refilling. Heavy galvanized steel or aluminum seamless construction.

Coldwell Power Mowers



We have handled many different mowers in the past 24 years, and find some good and others not so good. In the Coldwell Power Mowers we offer one of the oldest and best known line. We carry them in different sizes. These are not assembled mowers but built complete at their Coldwell Cub Power Mower factory.

We do not have space to give a detailed construction of this line, but ask you to send for catalogue and prices on one entire line, or if possible, come to our Peoria store where we have them in stock and we will be glad to show them.

The Cub

THE CUB is a well built 21 inch machine, detachable front cutting unit and a full width drive roller. Separate clutches control the cutting unit and the traction roller. Has force feed oiling system, single cylinder four cycle powered engine. High tension Bosch ignition system.

A light, strong, easily handled mower, so simple that an inexperienced man can understand and operate it. It is made light and strong by using steel and malleable iron where best adapted. Price, \$175.00.

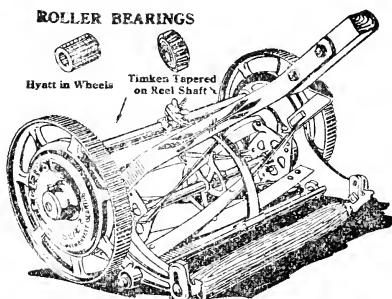
Eclipse Power Lawn Mower

We have sold the Eclipse line of lawn mowers for 23 years and in this time have found there are no better mowers made for the money than Eclipse make. Last year they brought out this new power mower which is a winner in many ways.

It is very simple to operate. Fast sure cutting, easy to operate or adjust. Made by an old reliable company, near Peoria. Can get repairs any day instead of having to wait a week when you need your mower. Grass does not stop growing when breakdowns occur. Briggs & Stratton motor. Foolproof and powerful, easy to start and economical. Timken and Hyatt Bearings, speed, ease, durability, multiple disc clutch, positive action and control. Self sharpening, saves time, effort and expense. Cuts 20 inches, $\frac{1}{2}$ to 11 $\frac{1}{2}$ high, speed 3 $\frac{1}{2}$ miles, three quarts of gasoline will run nine hours, weight 165 pounds. Price, \$150.00.

Ideal Power Lawn Mowers

We have several new Ideal power mowers in different sizes on which we will make you less than jobbers wholesale costs. We are discontinuing this line and make these prices to clean up. The Ideal power mower is a good line, but we do not want to stock too many kinds.

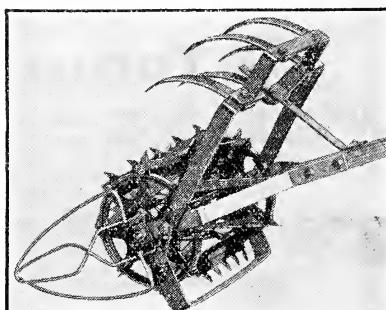


Eclipse and Pennsylvania Hand Lawn Mowers

We carry at all times large stocks of above mowers and while we are not allowed to quote our low prices in this catalogue, if you will come to Peoria we will be glad to show you these mowers and quote you prices. Or if unable to come, just write us on what you want a price and we will be glad to quote you.

Ro-Ho

The new garden tool, made by Rowe Mfg. Company. Has five sharp steel blades with six sharp prongs on each blade. Also has a sharp cutter blade which cuts all weeds off clean. The sharp knives dig up the soil, leaving it in fine condition and clean. A wonderful tool. Must be used to be appreciated. Last year we sold more than twenty-five of these tools, mostly all to experienced gardeners. 10 inch, price, \$8.50 each.



Swift's Fertilizers

The past two years have been very unfavorable for the use of fertilizers on account of the extreme dry weather. The more fertilizer added the more heat added, which in turn helps to burn up the crop more quickly. When sufficient moisture is received the fertilizer works just the opposite way, which by adding more heat and strength to the soil it forces the crop along earlier to maturity and a bigger yield.



Much of our soil needs lime, but this is not a panacea for all soils. You can get too much lime, and lime applied too heavy on black gumbo soils is usually applied at a loss. Many think this kind of soil does not need anything, but we find very often it needs Potash. All plants are equipped with a transportation system, which transports water and plant food to the ear or fruit.

No doubt you have noticed the fibers in the pith of a corn stalk. These fibers are water and food tubes, the transportation system of the corn plant.

When soil lacks Potash, the iron in the corn plant wrecks this system, and reduces the yield. This deadly accumulation usually causes a darkening of the joints that can readily be seen with the naked eye.

Bags weigh 125 pounds each

We carry in stock at Peoria the following Swift's fertilizers at the following prices:

Ammonia 4.	Available Acid Phosphate 16.	Potash 4.....	\$3.25	\$48.50
Ammonia 2.	Available Acid Phosphate 16.	Potash 2.....	2.75	38.50
Ammonia 2.	Available Acid Phosphate 12.	Potash 6.....	2.75	40.00
Ammonia 0.	Available Acid Phosphate 8.	Potash 24.....	3.10	46.00
Super Phosphate 20 per cent.....			2.00	32.00
1 1/4—29 bone meal, \$1.25	Super Ammonia.	29 Phosphate.....	3.25	50.00



New Life for Your Garden, Lawn or Shrubbery—VIGORO

VIGORO is a condensed plant food, containing five times as much food as sheep manure. It is odorless, contains no weed seed and easy to apply. Directions in every bag. Send for booklet on "How to Make a Fine Lawn With VIGORO."

Use it on your lawn, flowers and shrubbery. Increases yield and quality of your garden. 25 lb. bag \$1.75; 50 lb. bag \$3.00; 100 lb. bags \$5.00. We prepay freight to any station in Illinois on 50 lbs. or more.

Garden Lime

Garden lime is ground very fine which gives quick action on the soil, sweetens sour soil and gives nature a chance to release other necessary elements. Lime will loosen up the texture of the soil and put it in good physical condition for a good garden.

Apply 6 pounds per 100 square feet. Price, \$2.00 per 100 lb. bag.

Miscellaneous Fertilizers

Florists ground bone, 125 lb. bag, \$3.15. Koppers Sulphate of Ammonia, 5 lb. can, 65c; 10 lb. can, \$1.25; 25 lb. bag, \$2.00; 100 lb. bag, \$4.50. Sheep Head Fertilizer, 10 lb. bag, 50c; 25 lb. bag, 85c; 50 lb. bag, \$1.25; 100 lb. bag, \$2.25; 500 lbs. or more, \$2.00 per bag; 125 lb. bag, 29 bone meal, \$3.25. Nitrate of Soda, 100 lb. bag, \$7.25.

Garden Seeds

We carry in stock at Peoria one of the largest stocks of garden seeds in Central Illinois. A section along the Illinois river, north of Peoria is fast becoming one of the best garden sections in the state. Much of the garden trucking in this section goes to supply Chicago with fresh vegetables. Large trucks and vans come to Peoria during the day, going back to Chicago at night loaded with vegetables, arriving there early in the morning for the early market. In addition to furnishing many of these growers large lots of seeds, our mail order garden seed business has been increasing rapidly each year. This is partly due to the high grade seed we handle, and to the low price we quote. You will note that most of our seed is sold by the ounce or pound. Thus, a 10c packet of our seed will contain as much seed as ten ordinary packets such as some seed men send out. We do not handle any garden seed on commission, but buy them direct from the best growers all over the United States. This year when possibly you are out of work or have some spare time is the time when you should make your garden pay. Special attention given to market gardeners' orders. If you have a large order send it to us and we will be glad to quote you special prices.

CONDENSED GARDEN SEED LIST 1931

For description best varieties see following pages.

BEANS—BUSH WAX PODDED

	1	2	7	15	60
	lb.	lbs.	lbs.	lbs.	lbs.
Wardwell's Kid Wax	20c	40c	\$1.35	\$2.85	\$10.00
Pencil Pod Wax	20c	40c	1.35	2.85	10.00
Imp. Golden Wax	20c	40c	1.35	2.85	10.25
Black Wax	20c	40c	1.35	2.85	10.00
Red Kidney Wax	20c	40c	1.35	2.85	10.00
Currie's Rust Proof	20c	45c	1.50	3.00	11.00

CABBAGE—RED

	Pkt.	Oz.	1/4 lb.	Lb.
Mammoth Rock Red		\$0.10	\$0.20	\$0.60 \$2.00

CHINESE CABBAGE

	1/2 oz.	Oz.	1/4 lb.	Lb.
Pe Tsai		\$0.10	\$0.15	\$0.40 \$1.50

BEANS—GREEN PODDED BUSH

	1	2	7	15	60
	lb.	lbs.	lbs.	lbs.	lbs.
Burpee's Stringless Gr. Pod	20c	40c	\$1.40	\$2.90	\$10.00
Giant Stringless	25c	50c	1.60	3.25	11.50
Bountiful	25c	45c	1.50	3.00	10.00
Full Measure	25c	45c	1.50	3.00	10.50
Red Valentine	25c	45c	1.50	3.00	10.50

CAULIFLOWER

	Pkt.	1/4 oz.	1/2 oz.	Oz.	1/4 lb.
Early Snowball		\$0.20	\$0.30	\$0.50	\$1.00 \$3.50

CARROT

	Pkt.	Oz.	1/4 lb.	Lb.
Imp. Danvers, Half Long		\$0.05	\$0.10	\$0.25 \$0.70
Chantenay		.05	.10	.25 .75
Ox Heart, or Guerande		.05	.10	.25 .70
Red Core Chantenay		.10	.15	.40 1.50

BEANS—BUSH LIMA

	1	2	7	15	60
	lb.	lbs.	lbs.	lbs.	lbs.
Fordhook, Bush Lima	35c	70c	\$2.25	\$4.50	\$17.50
Burpee's Bush Lima	35c	45c	1.75	4.00	13.00
Seibert's Early Lima	30c	50c	1.00	3.50	13.00
Large White Lima	25c	50c	2.00	4.00	15.50

CELERY

	1/2 oz.	Oz.	1/4 lb.	Lb.
Golden Self-Bl. Am. Grown		\$0.20	\$0.30	\$0.80
White Plume		.20	.30	.85

BEANS—POLE LIMA

	1	2	7	15	60
	lb.	lbs.	lbs.	lbs.	lbs.
King of the Garden	25c	50c	\$2.00	\$4.00	\$16.00

CELERIAC

	1/2 oz.	Oz.	1/4 lb.	Lb.
Gnt. Smth. Prague, Select		\$0.15	\$0.25	\$0.70 \$2.25

CUCUMBER

Special Prices on Large Lots

	Oz.	1/4 lb.	Lb.
Evergreen White Spine		\$0.10	\$0.25 \$0.75
Davis Perfect		.10	.30 1.00
Improved Long Green		.10	.30 1.00
Westerfield Chicago Pickle		.10	.25 .85
Kirby's Stay Green		.10	.25 .85
Simmons White Spine		.15	.50 1.50
Boston Pickling		.10	.25 .85
Deltus		.15	.50 1.50

BEETS—MANGEL WIRZELS

	Oz.	1/4 lb.	Lb.
Mammoth Long Red	\$0.10	\$0.15	\$0.35
Gold. Tank, 5 lbs.	\$1.60	.10	.15 .35
Sugar Beet		.10	.15 .40

CORN—SWEET

	1	2	6	12	48
	lb.	lbs.	lbs.	lbs.	lbs.
Golden Bantam Select	20c	30c	\$1.00	\$2.50	\$8.00
Charlevoix	20c	30c	1.00	2.50	7.00
Stowell's Evergreen, Select	25c	50c	1.50	3.00	11.00
Country Gentleman	25c	50c	1.50	3.00	11.00
Evergreen Bantam	20c	35c	1.00	2.50	8.00
Sunshine	20c	35c	1.00	2.50	9.00
Whipples Early Yellow	20c	35c	1.00	2.50	8.00

CABBAGE

	Pkt.	Oz.	1/4 lb.	Lb.
Glory of Enkhuizen	\$0.10	\$0.20	\$0.40	\$1.50
Early Jersey Wakefield	.10	.20	.40	1.00
Sum. Early Winstadt	.10	.20	.50	2.00
Danish Ballhead	.15	.25	.50	3.00
Copenhagen Market	.15	.25	.50	3.00
Flat Dutch, Late	.10	.20	.50	1.50
St. Louis Mkt. Pkts. only	.20	.30	1.00	4.00
Golden Acre	.15	.30	1.00	4.00

EGG PLANT

	1/2 oz.	Oz.	1/4 lb.	Lb.
Black Beauty		\$0.20	\$0.30	\$1.00 \$4.00
New York Purple Spineless		.20	.30	1.00 4.00

ENDIVE

	Oz.	1/4 lb.	Lb.	
Bd-leaved Batavian (Escarolle).....	\$0.10	\$0.30	\$1.00	
Large Green Curled.....	.10	.30	1.00	
Green Curled, Philadelphia.....	.10	.30	1.00	
White Curled.....	.10	.30	1.00	

HERBS

	1/2 oz.	Oz.	1/4 lb.	Lb.	
Dill, Common.....	\$0.10	\$0.25	\$0.75		
Sage.....	\$0.15	.25	.75	2.00	

KALE

	Oz.	1/4 lb.	Lb.	
Dwarf Curled, Scotch.....	\$0.10	\$0.30	\$1.00	
Tall Green Curled, Scotch.....	.10	.25	.85	

KOHLRABI

	Pkt.	Oz.	1/4 lb.	Lb.	
Early White Vienna.....	\$0.10	\$0.15	\$0.45	\$1.75	
Early Purple.....	.10	.15	.45	1.75	

LEeks

	Oz.	1/4 lb.	Lb.	
Broad Scotch or Lrg. Am. Flag.....	\$0.15	\$0.45	\$1.50	

LETTUCE

	Pkt.	Oz.	1/4 lb.	Lb.	
Selected Big Boston.....	\$0.05	\$0.10	\$0.30	\$1.00	
Improved Hanson.....	.05	.10	.30	1.00	
Selected Grand Rapids.....	.05	.10	.30	1.00	
Black-Seeded Simpson.....	.05	.15	.30	1.00	
Early Curly Simpson.....	.05	.10	.30	1.00	
New York Spec.....	.05	.10	.40	1.25	
Prize Head.....	.05	.10	.30	1.00	

MUSkmelon

Special Prices on Large Lots

	Oz.	1/4 lb.	Lb.	
Hales Best.....	\$0.10	\$0.30	\$1.00	
Tip Top Honey Dew.....	.10	.35	1.00	
Hoodoo (Hrts. of Gold) 5 lbs. \$4.....	.10	.30	.85	
Ex. Early Osage, 5 lbs. \$4.50.....	.15	.35	1.00	
Osage or Miller's Crm. 5 lbs. \$4.50.....	.10	.30	.85	
Rocky F. (Netted Gem) 5 lbs. \$4.....	.10	.30	.85	
Rice Orange Flesh.....	.15	.40	1.35	

WATERMELON

Special Prices on Large Lots

	Oz.	1/4 lb.	Lb.	
Irish Grey (New).....	\$0.10	\$0.25	\$0.75	
Tom Watson.....	.10	.25	.75	
Kleckley's Sweet.....	.10	.25	.80	
Fordhook, Early.....	.10	.30	1.00	
Halberts Honey, 5 lbs. \$3.50.....	.10	.25	.80	
Harris' Earliest.....	.10	.25	.80	
Ice Cream.....	.10	.25	.75	
Stone Mountain, 5 lbs. \$4.25.....	.10	.30	1.00	

MUSTARD

	Pkt.	Oz.	1/4 lb.	Lb.	
Southern Giant Curled.....	\$0.05	\$0.10	\$0.20	\$0.60	
White English or London.....	.05	.10	.15	.45	

OKRA

	Pkt.	Oz.	1/4 lb.	Lb.	
Perkin's Mammoth, 5 lbs. \$1.75	\$0.05	\$0.10	\$0.15	\$0.40	

ONIONS

	1/2 oz.	Oz.	1/4 lb.	Lb.	
Southport Yel. Globe.....	\$0.10	\$0.20	\$0.50	\$1.75	
Southport White Globe.....	.10	.20	.50	2.00	
Southport Red Globe.....	.10	.20	.50	1.75	
Mam. Yellow Prize-Taker.....	.10	.20	.40	1.50	
White Portugal.....	.10	.20	.50	1.75	
Red Wethersfield.....	.10	.20	.50	1.50	
Australian Brown.....	.10	.20	.45	1.50	

PARSLEY

	Pkt.	Oz.	1/4 lb.	Lb.	
Fine Triple Curled.....	\$0.10	\$0.15	\$0.35	\$1.00	
Champion Moss Curled.....	.05	.10	.25	.90	

PARSNIPS

	Pkt.	Oz.	1/4 lb.	Lb.	
Guernsey or Hol Crwn.....	\$0.05	\$0.10	\$0.20	\$0.50	

PEAS

Special Prices on Large Lots

All packets 10c	1	2	7	14	56
	lb.	lbs.	lbs.	lbs.	lbs.
First and Best.....	20c	35c	\$1.25	\$2.25	\$7.50
Early Alaska.....	20c	35c	2.25	7.50	
Little Marvel.....	25c	45c	1.40	2.50	8.00
Nott's Ex. or Amer. Wonder.....	25c	45c	1.40	2.50	8.00
Laxtonian.....	25c	50c	1.50	2.50	9.00
Premium Gem.....	20c	35c	1.25	2.25	8.75
Blue Bantam.....	25c	45c	1.50	2.25	8.00
McLean's Lit. Gem.....	20c	35c	1.25	2.25	7.50

PEPPER

All packets 10c	1/2 oz.	Oz.	1/4 lb.	Lb.
Large Bell, or Bull Nose.....	\$0.15	\$0.35	\$0.80	
King Royal.....	.15	.35	.75	
Small Cayenne (Red Chili).....	.20	.30	.90	
Pimento.....	.20	.30	1.00	
World Beater.....	.15	.25	.75	
California Wonder.....	.20	.30	1.25	

PUMPKIN

	Oz.	1/4 lb.	Lb.
Lge. Sweet Cheese, 5 lbs. \$1.75.....	\$0.10	\$0.15	\$0.50
Mam. Potiron or King of Mam's.....	.10	.25	.80
Small Sweet or Sugar, 5 lbs. \$3.....	.10	.20	.75
Lg. Sweet or Ky. Favorite, 5 lbs. \$1.75	.10	.15	.40

RADISH

	Oz.	1/4 lb.	Lb.
Scarlet Globe, 5 lbs. \$2.50.....	\$0.10	\$0.20	\$0.55
French Breakfast.....	.10	.20	.55
Scarlet Turnip White Tip.....	.10	.20	.50
Early Long Scarlet Sh. Top.....	.10	.20	.50
Long Wh. Icicle, 5 lbs. \$2.75.....	.10	.20	.60
Wh. Strassburg, 5 lbs. \$2.50.....	.10	.20	.50
Chinese Rose.....	.10	.25	.65
Crimson Giant.....	.10	.25	.65
Long Black Spanish.....	.10	.25	.60
Sparkler White Tip.....	.10	.25	.50

SALSIFY

	Pkt.	Oz.	1/4 lb.	Lb.
Mam. Sandwich Island.....	\$0.10	\$0.15	\$0.50	\$1.75

SPINACH

	Oz.	1/4 lb.	Lb.
Imp. Thick Leaf Viroflay, 10 lbs. \$2.....	\$0.05	\$0.10	\$0.25
Bloomsdale Savoy, 10 lbs. \$2.....	.05	.10	.25
King of Denmark.....	.05	.10	.25
New Zealand.....	.05	.15	.50
Princess Juliana.....	.05	.10	.30

SQUASHES

	Oz.	1/4 lb.	Lb.
Mammoth Yellow Scalloped (Golden Custard).....	\$0.10	\$0.20	\$0.65
Golden Summer Crookneck.....	.10	.20	.55
Hubbard, 5 lbs. \$3.25.....	.10	.25	.75
Delicious.....	.10	.25	.80
Gourds, Dipper.....	.10	.20	.75

RUTABAGAS

	Oz.	1/4 lb.	Lb.
Imp. Am. Purple-Top.....	\$0.05	\$0.15	\$0.50

TURNIP

	Oz.	1/4 lb.	Lb.
Extra Early W. Milan, 5 lbs. \$2.50.....	\$0.10	\$0.20	\$0.65
Purple-Top Strap Leaf, 5 lbs., \$1.60.....	.10	.15	.40
Purple-Top White Globe, 5 lbs. \$1.60.....	.10	.15	.40

TOMATOES

	Oz.	1/4 lb.	Lb.
Stone.....	.20	\$0.50	\$2.00
Stokes Bonny Best.....	.25	.80	3.00
Earliana.....	.25	.80	3.00
Ponderosa.....	.40	1.35	5.00
Livingston's Globe.....	.40	1.25	4.50
John Baer.....	.25	.75	2.50
Buckbee's Beefsteak.....	.40	1.50	5.00
Grand Pacific.....	.40	1.40	5.00
Marglobe.....	.30	1.00	3.50

Beans



Yellow Podded Wax Beans

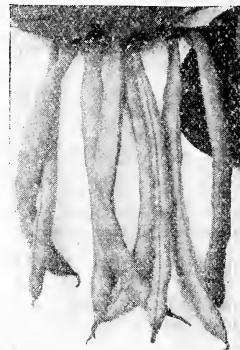
All garden seed prices on pages 32 and 33.

PENCIL POD BLACK WAX. Medium early, very hardy bean, smooth, perfectly round, straight and very productive. Pods long, 5 to 6 inches.

IMPROVED GOLDEN WAX. Rust-proof. The best yellow podded beans. One nearly everybody grows. Very productive, straight, thin pods, bushes stand erect. One of the earliest sorts. This variety cooks quickly as snaps, and shells well when green.

WARDWELL'S KIDNEY WAX. An early bean, a heavy yielder, rust resisting, looks good and one of the most profitable varieties with market gardeners.

CURRIES RUST PROOF. This bean is practically rust-proof. Vine vigorous, heavy yielder and productive. Pods light yellow, similar in shape to Golden Wax, 5½ to 6 inches long. Splendid for market gardeners and home use.



Black Wax Beans



Stringless Green Pod

Bush Green Pod Beans

BURPEE'S STRINGLESS GREEN POD. We buy thousands of pounds of this variety and find it to be the best seller we have. Do not fail to order these beans. Medium maturing, very fleshy, remains crisp and tender longer than any other. Vine very vigorous and productive. Good for both home garden and market use.

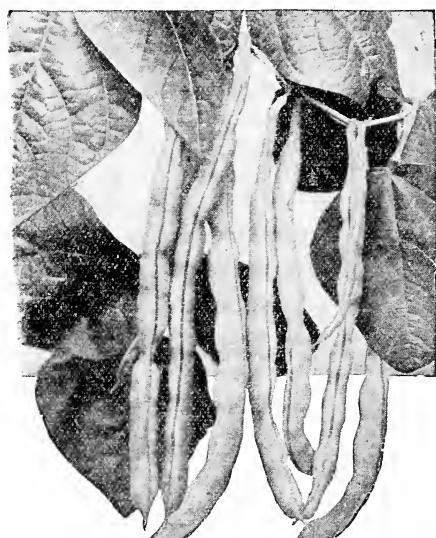
BOUNTIFUL. A new green pod variety, very hardy, almost rust proof, an early, heavy producer, ready for picking in 40 days. Bears long and late. Long, broad, meaty, absolutely stringless.

FULL MEASURE. A very desirable round podded bean, pods 6 to 7 inches long which are solid, meaty, brittle and stringless. This bean matures a little later than the Stringless Green Pod and splendid for all around use.

BLACK WAX. Exceptionally productive, hardy and very good for home gardens. Black seeds, round pods, yellow and fleshy.

BUSH LIMAS

SEIBERT'S EARLY LIMAS. One of the early varieties. Commences bearing early and produces entire season, very good for shelling.



Kentucky Wonder Beans

BURPEE'S BUSH LIMAS. A very thick bean. Pods in clusters of 5 to 7 which contains 4 to 6 large beans. Order plenty of this variety for winter use. After ripe, very good for shelling for winter use. High in protein, one of the best foods.

FORD HOOK BUSH LIMAS. A very vigorous and erect variety, bearing its pods well above ground in large clusters.



Burpee's Bush Lima

POLE LIMAS

KING OF THE GARDEN. The best pole variety. Vigorous grower, large white beans. For food value it has no equal. Vine grows stiff and yields well.

KENTUCKY WONDER or OLD HOMESTEAD. A farm or corn field bean, the best of its kind. Very prolific, producing an abundance of fine stringless, crisp pods late in the season.

LARGE WHITE LIMA. One of the big white butter beans which everyone likes so well and which supplies plenty of good value in food. Larger than the common varieties of pole lima beans. Starts to bear early and continues to produce until frost.

All lima beans lower in price this year.

Garden Beets

Plant plenty of beets. No vegetable will give you more pep than beets. In fact, any vegetable which is highly colored is filled with vitamines.

CROSBY'S IMPROVED EGYPTIAN. An improved sort which is very popular with market gardeners on account of its quick growth and extreme productiveness. One of the very best. Sweet and tender. Excellent quality for both market and home use.

DETROIT DARK RED. Our best early beet, medium variety, globe shape, very smooth, dark blood red color, splendid for pickling.

EXTRA EARLY DARK RED EGYPTIAN. An old well known variety which has long been the favorite with market gardeners. Has small top, produces a flat medium size beet.

EDMUND'S EARLY BLOOD TURNIP. Dark red nearly round variety. Crisp and tender, also an excellent keeper.



MANGEL WURZEL OR STOCK BEET

The best to grow for chickens, also good for hogs and cattle.....



Mammoth Long Red

GOLDEN TANKARD. Deep yellow in color, rather flat oval shape, grows mostly above ground.

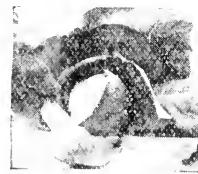
Detroit Dark Red Beet

MAMMOTH LONG RED. The best for general use. Very large, sometimes weighs as much as 18 lbs. Grows best in rich soil. Flesh white tinged with red.

Cabbage

EARLY CABBAGE

EARLY JERSEY WAKEFIELD. This is one of the earliest and surest heading of the first cabbages. Market gardeners depend on it for their extra early crop. Exceedingly hardy, resisting cold and unfavorable conditions. Stems short. Heads pyramid having a point or crowned peak. Plant this for earliest cabbage.



Early Jersey Wakefield Cabbage

COPENHAGEN MARKET. Introduced from Denmark where the best cabbages grow. An early round head cabbage, heads exceptionally large. Has a very short stem, and few outer leaves. Not as early as the Jersey Wakefield but a much larger head. Plant Copenhagen for your summer use.

NEW GOLDEN ACRE. The earliest round head cabbage. On good soil will mature hard round heads, nine inches in diameter in 80 days. Heads are very firm and compact, few outer leaves. Very hardy and will stand for weeks without bursting open. Can be shipped long distances and arrive in good shape. One of the most profitable you can grow.

LATE CABBAGE

HOLLANDER or DANISH BALLHEAD. The greatest market cabbage grown, especially in the cabbage section of Wisconsin Michigan and New York. Not overly large, but very solid and the best keeping of all varieties.



Hollander or Danish Ballhead

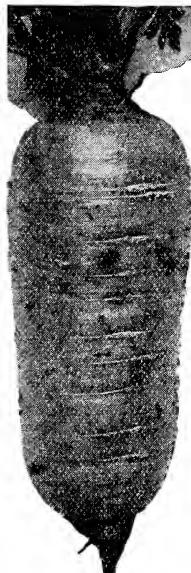
LATE FLAT DUTCH. This is your kraut cabbage. Large, tender and sure to head. Heads very solid.



MAMMOTH ROCK RED. Heads large as Flat Dutch. Deep Red in center.

CHINESE or CELERY CABBAGE. Grows very much like head lettuce. Used for salads and slaw. Fall variety only.

Selected Late Flat Dutch



Chantenay

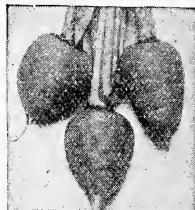
Carrots

The healthiest vegetable that grows. Contains more iron. Your blood needs iron. Grow it in carrots. It is cheaper than from the drug stores.

CHANTENAY. A very early carrot. Deep orange red. Smooth and fine grained. A popular sort to raise for city market. Grows about 6 inches long and very thick meated.

OXHEART. A short thick growing variety especially adapted to stiff, hard soils, roots from 5 to 6 inches long, flesh bright orange, medium early variety.

DANVERS HALF LONG. A large, late variety for late fall and winter use. Grows 6 to 8 inches long. Deep orange color. Well adapted to nearly all soils. Plant this for your main crop carrot.



Oxheart Carrots

Celery

We list only two of the best varieties.

GOLDEN SELF-BLANCHING. The most popular celery. 60% of all celery grown being of this variety. An early variety good for home use, easier grown and a good shipper. Has a stem nature that the inner ones turn a beautiful golden yellow and blanching is easily accomplished. Very crisp, free from strings and fine flavor.

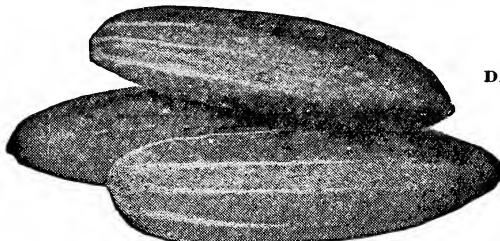
WHITE PLUME. An extra early variety. Good for gardeners early crop. Blanches a pure white.



Golden Self-Blanching Celery

Cucumbers

EVERGREEN WHITE SPINE. One of the best varieties for table use. Vine vigorous, producing abundantly over a long period.



Evergreen White Spine

pickling in the country. Medium length, slightly pointed at ends. Dark green, large spines.

KIRBY'S STAY GREEN. A large growing cucumber, fine for slicing or pickling. Heavy yielder and stays green for a long time. One of our best. Be sure you order Kirby's Stay Green.

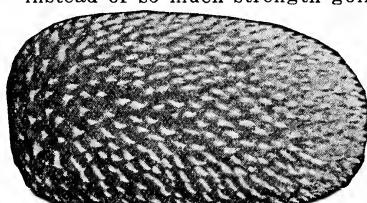
DELTUS. A new variety, one of the very best slicers. Very dark green with white meat. Similar to white spine but better. Very few seeds which make the price of seed high, but it produces fruit instead of so much strength going to make seeds.



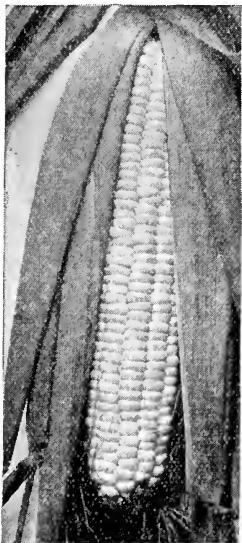
Imp. Long Green

Pop Corn

AUSTRALIAN HULLESS OR JAPANESE. This is a very heavy yielder of attractive ears peculiar in form, being nearly as thick as it is long. The crowning merit lies in its popping qualities. It is a quick popper, fine flavor, absent of hull or shell, being soft and tender, and of delicious flavor. Try a package of this for home use. Price 15c per lb. We also have white Rice at same price.



Japanese Hulless



Stowell's Evergreen

Sweet Corn

SUNSHINE. This is the earliest sweet corn. Earlier than Golden Bantam and a larger ear, having 12 rows instead of 8 as Bantam. Very sweet and tender, rich golden color. We consider this one of the best early varieties of corn. Produced by North Dakota College.

GOLDEN BANTAM. An early variety maturing in 60 to 70 days. Has a very delicious flavor, sweet and tender, yellow color. Grows five to six feet in height.

WHIPPLES EARLY YELLOW. Another early variety, but larger than either of the above. Our best selling variety as it produces a fair sized ear, 12 to 14 rows. Matures in 75 to 80 days. A corn which is grown in the East very much for high class trade.

STOWELL'S EVERGREEN. Our best variety. One of the standard main crop corns. Has long been popular with gardeners, canneries and home gardens.

COUNTRY GENTLEMAN. One of the best for home gardener's corn as it stays green for some time. delicious flavor. Golden yellow color. Rather small close on cob and very sweet.

Sweet Corn scarce and high



Golden Bantam

Egg Plant

BLACK BEAUTY. An early variety which when ripe is almost black. Ten days earlier than the Improved Purple. Very desirable for market as it holds its color a long time.

NEW YORK PURPLE SPINELESS. A large variety. The plant is strong and usually produces 4 to 6 large fruits of splendid dark purple color.

Lettuce

Another healthful vegetable. We should eat more of it.

BLACK SEEDED SIMPSON. The best early variety we have. Makes a large bunch of tender leaves. Grows quickly and has a delicate flavor. Best for gardeners and home use.

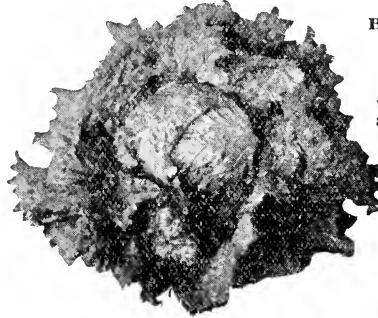


EARLY CURLED SIMPSON. A crisp and tender variety of the loose leaf type. Very good for sowing early when ground is wet and cold. Sow thickly and cut when young.

GRAND RAPIDS. Originally a forcing lettuce. Of recent years have found it to be a good outdoor variety. Leaves loose-leaved and curled.

IMPROVED HANSON. A head lettuce. Has been leader of all head lettuces for over 40 years. Has large head, solid, tender and well blanched.

PRIZE HEAD. A good home use sort but not hardy enough for shipping.



Big Boston

BIG BOSTON. No doubt this is the best smooth leaved head lettuce making a flat smooth head something like the Flat Dutch Cabbage but not so large.



Black Seeded Simpson

BROAD LEAVED BATAVIAN. A variety having a broad leaf more or less tapered. Is much longer in growth than any other variety and has a flavor all its own.

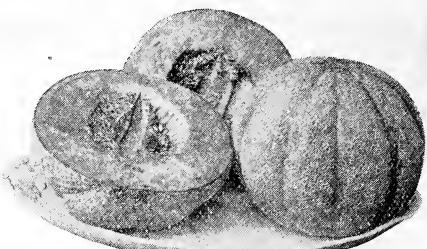
LARGE GREEN CURLED. One of the hardiest and best varieties for general use. It has tapered green leaves beautifully cut and curled and is easily blanched. Very crisp and fine flavor.

Endive

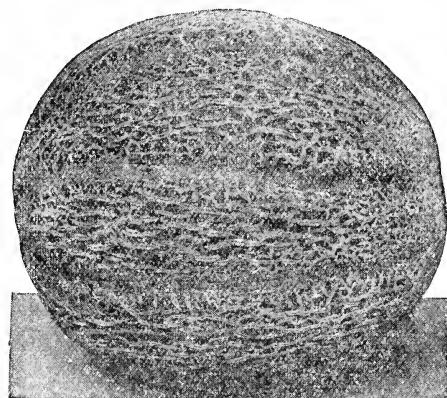


Muskmelons

Melon seeds are our garden specialties.
HALES BEST. A new melon, large round cantaloupe, closely netted. Very solid meat, deep salmon color. One of the earliest varieties which makes it a money maker. More acres of this new melon will be planted in the cantaloupe growing sections in 1931 than any other one kind.



Hearts of Gold



Extra Early Osage

cavity, characteristics of the Osage, making this melon deserving of a place in home and market gardens.

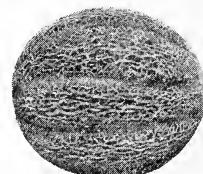
ROCKY FORD. Has had a wonderful sale in the past and still a good seller. A green fleshed melon with thin gray netting.

ADMIRAL TOGA. A new small melon, very thick, yellow flesh. In this melon you have combined the good qualities of the Defender and the Rocky Ford. We consider this one of the best shipping melons.

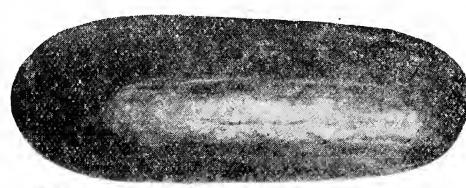
HEARTS OF GOLD OR HOODOO. Our best seller. Vines quite vigorous. Very productive and blight resisting. We sell a great deal of this variety to market gardeners. Has a thin rind but so very firm that it is an unsurpassed shipper. Gets its name from the golden yellow flesh which is very deep, larger than the Rocky Ford. Has a dense fine netting. Flesh fine grained. Will please the most exacting customers and delight your most particular friends. Be sure to order plenty of Hearts of Gold.

TIP TOP. A handsome variety, firm yellow flesh, sweet, fine flavor, thin rind, very attractive. Large size melon, slightly oblong, evenly ribbed, very productive.

EXTRA EARLY OSAGE. This excellent variety is fully a week earlier than the regular Osage. The fruit is a little smaller, more nearly round with a heavy netting extending over most of the surface. Very thick salmon flesh and small seed



Rocky Ford

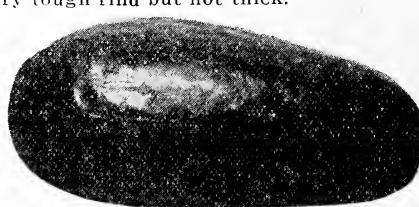


Halbert Honey

coarse meated and tasteless, but you will be surprised at the delicious flavor of this melon. The most popular sort for home gardens and local market. Not a tough thick rind, so not good for long shipping. We have specially selected seed of this variety.

TOM WATSON. Our greatest of all shippers, an extra long large melon. This is the leading melon known to southern shippers, and one you see so often in the stores and markets. Average melon weighs 30 to 40 pounds. Has a very tough rind but not thick.

MONTE CRISTO OR KLECKLEY'S SWEET. Very fine melon for home use. Bright red meat, seeds white. Very large, dark green with thin rind.

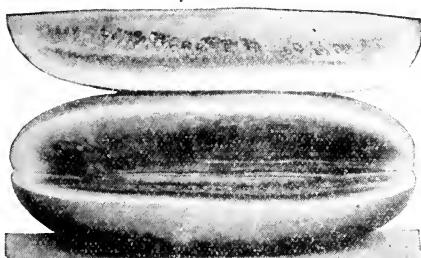


Tom Watson



Sweetheart

SWEETHEART. A large round melon, light green color, slightly veined, with darker shade. Flesh bright red, firm. Very sweet and the fruit remains in condition for sometime after ripening.

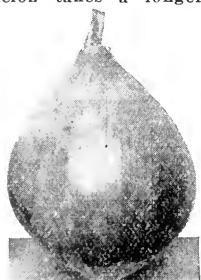


Irish Gray

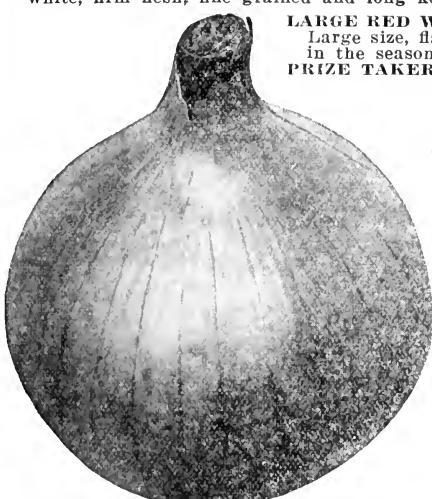
most nutritious and healthful vegetables having excellent medicinal qualities. Eat an onion sandwich before going to bed. A good remedy for colds and tired nerves. Always a ready sale for onions. Average about 600 bushels per acre, a profitable crop.

SOUTHPORT RED GLOBE. Our biggest seller and one of the best grown for market or table use. Ripens about 10 days later than the yellow variety. Very uniform in shape.

SOUTHPORT WHITE GLOBE. Most beautiful onion grown and what we think the best. Very mild flavored onion. Practically round shape, silver white, firm flesh, fine grained and long keeper.



Red Globe



Prize Taker

LARGE RED WETHERSFIELD. One of the best standard varieties. Large size, flat, dark purplish red. Good for sets when sown late in the season.

PRIZE TAKER. This variety produces a very large and handsome onion. Bright yellow color, mild flavor, grows very large, often weighing 2 lbs. To grow this size plant in February or March in shallow boxes and transplant. Not a long keeper but very good for fall and early winter use.

WHITE PORTUGAL ONIONS.

Large size, early ripening variety. Mild sweet flesh. Thin skin. Flat shape. Forms a fine grain. One of the best for table use.



White Portugal

JUG OR BOTTLENECK ONION SETS

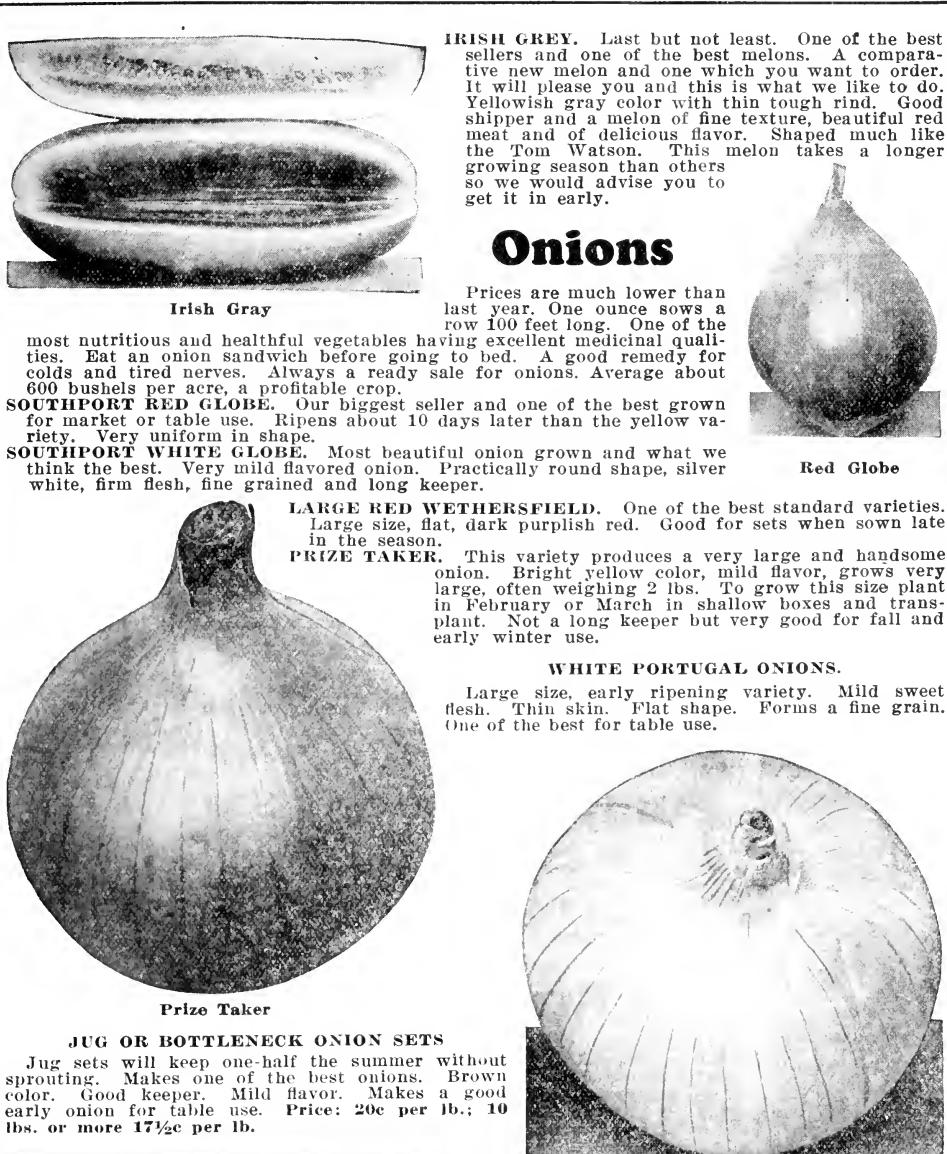
Jug sets will keep one-half the summer without sprouting. Makes one of the best onions. Brown color. Good keeper. Mild flavor. Makes a good early onion for table use. Price: 20c per lb.; 10 lbs. or more 17½c per lb.



Onion Sets

IRISH GREY. Last but not least. One of the best sellers and one of the best melons. A comparative new melon and one which you want to order. It will please you and this is what we like to do. Yellowish gray color with thin tough rind. Good shipper and a melon of fine texture, beautiful red meat and of delicious flavor. Shaped much like the Tom Watson. This melon takes a longer growing season than others so we would advise you to get it in early.

Onions



Onion Sets

We handle hundreds of bushels of onion sets, buying them at wholesale prices. Only the very best sets are put out to our trade. All sets are sold by the pound. You get more when you buy them by the pound than by the quart. Yellow, red and brown sets, 10c per pound. Whites, 12½c per pound. Not postpaid. Include postage or order with other goods.

Garden Peas

2 lbs. sows 100 feet. 1½ bushels per acre.

Peas are one of our specialties. Why buy canned peas from the stores, when you can grow and can them yourself at half the cost. Peas are high in protein, one of the essential food elements. Plant more this year.

FIRST AND BEST. As the name implies it is an early variety and one of the best. Good for gardens and shippers as it ripens practically all at once making only one or two pickings. Very productive for an early variety.



Nott's Excelsior

ALASKA. Another extra early variety and one sure to make a crop. Grows about 18 inches high. Very hardy variety. Can be planted soon as ground is fit to work.

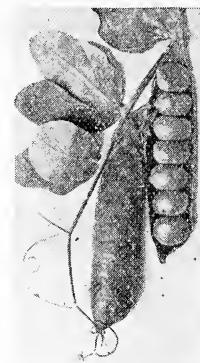
LITTLE MARVEL. A practically new pea and a marvelous producer. Grows 12 to 15 inches high. Very tender and sweet. Just the pea for new potatoes. A wrinkled pea, for home use or gardeners. Does not ripen all at once, lasting for some time.

NOTT'S EXCELSIOR OR AMERICAN WONDER. Another early dwarf wrinkled variety. Grows 10 to 12 inches high, pods 3 inches long containing 5 to 8 large peas.

LAXTONIAN. One of the largest podded of the dwarf wrinkled peas. Grows 15 to 18 inches high. Vigorous and productive. One of the best to plant for a main crop. Good for home or market gardeners.

BLUE BANTAM. A wrinkled variety similar to Laxtonian but a heavier producer.

MCLEAN'S LITTLE GEM. Vines very productive, 15 to 18 inches high, pods medium with 6 to 8 peas of fine quality. Seed green, large, wrinkled, one of the best maturing early varieties.



First and Best

Peppers

LARGE BELL or BULL NOSE. A large early sort of mild flavor. Plants vigorous. Grows about 2 feet high. Very productive. Ripens its crop early and uniformly.

RUBY KING. A very large pepper. Plants very bushy, thickly set with fruit. Very attractive. Deep green color when young. Bright red when ripe. Flesh thick and mild flavored. One of the best for table use.

Pumpkins

LARGE CHEESE. This is a flat green green colored pumpkin mottled with light green. Very tender and free from stringiness. Grows to medium size. Good for table and good feed for stock.



White Tipped

SMALL SUGAR OR PIE PUMPKIN. Very early and productive. Cooks quickly, and good quality. Rich orange color. Flesh very thick, fine grained and sweet.



Pie Pumpkin

Radishes

SCARLET GLOBE. Rich, bright scarlet color, flesh white and tender, especially good for early gardeners as this is a very early variety.

SCARLET TURNIP WHITE TIPPED. Our best early radish for market gardeners. Small tops and may be planted closely. Almost round in size. Order this variety for your early garden.

FRENCH BREAKFAST. A quick growing small olive shaped radish about 1½ inches long by ¾ inches thick. Excellent for outdoor garden planting.

WHITE ICICLE. A very attractive pure white summer radish of excellent quality. Our best radish for summer use, both for gardeners or home gardens. Grows 5 to 6 inches long and 5-8 to 3-4 inches thick. Be sure you order this radish.



French Breakfast



White Icicle

Spinach

Another good medicinal plant. Something every one should grow and eat at least once a week. **IMPROVED THICK LEAF.** A variety which grows rapidly, forming a cluster of very large slightly crumpled leaves of deep green color and good quality. Our best medium early sort for market and home garden.

BLOOMSDALE SAVOY. One of the best for early spring or fall use. Upright plant with thick, dark green leaves medium size. Not good quality for summer use as it seeds quickly in warm weather.



Early Summer Crooked Neck

Squash

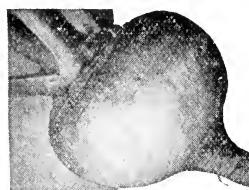
HUBBARD. One of the best winter squashes, vine vigorous and productive. Large size, heavy and moderately warted with very hard shell. Flesh of bright orange yellow, fine grained, thick, dry and richly flavored. Will keep all winter.

HUBBARD. One of the best winter squashes, vine vigorous and productive. Large size, heavy and moderately warted with very hard shell. Flesh of bright orange yellow, fine grained, thick, dry and richly flavored. Will keep all winter.

EARLY SUMMER CROOKED NECK. A well known standard variety, very early and productive. Color bright yellow. Shell very hard when ripe. Delicious. Medium size, fall and winter squash. Bright yellow flesh, fine grained, and is considered by many to be the most desirable for home and market.



Turnips



Purple Top White Globe

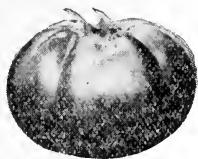
PURPLE TOP STRAP LEAF. A very early variety, mostly for table use. Medium size. Flat, dark red above ground, white below. Flesh white. Fine grained and tender.

PURPLE TOP WHITE GLOBE. Globular shape, large size, purplish or dark red above ground. White below. Our best seller. We sell hundreds of pounds of this variety during the year. Buy this variety to sow for fall and winter use. Good for table, or use as feed for stock.



Earliana

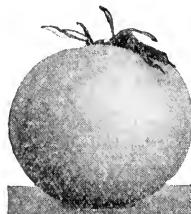
MARGLOBE. A new wilt resistant tomato, bright red, globe shape, smooth, very productive. Heavy, meaty, almost coreless. Medium early, 10 to 12 days later than Earliana. This we consider our best tomato. Plant grows erect with medium foliage.



Grand Pacific

BUCKBEE'S BEEFSTEAK. One of the largest varieties. Smooth, solid meat, very few seeds. Slices up like so much beefsteak. Very much like a Ponderosa but much better tomato.

GRAND PACIFIC. A wonderful tomato of tree type. A few years ago we had some of this variety of tomato which grew to be 11 feet high. A large, smooth, dark red tomato very productive. One vine will produce as many as 25 large tomatoes.



John Baer

HOLLOW CROWN or GUERNSEY. The best variety for table use. Roots, long, smooth, white skin, uniform size in shape, tender and of good quality. Leaves growing from crown of plant.

Miscellaneous

See our price list for the following: Cauliflower, celeriac, herbs, kale, kohlrabi, leek, mustard, okra, parsley, salsify, rutabaga and other kinds of different varieties of vegetables which we do not have space to describe.



Asparagus Roots

One of the gardeners best money making crops, and one which every person should grow. One of the earliest vegetables, very healthful. A good tonic when you need it. Easy to grow. 100 plants will make enough for the average family.

MARY WASHINGTON STRAIN. Rust resistant. The largest and tenderest green asparagus. This is a decided improvement over the Pedigreed Washington and the Martha Washington, being earlier, larger and longer. The credit for the development of this wonderful rust resisting strain is almost entirely due to the untiring efforts of Prof. J. B. Norton, member of the plant breeding staff of the United States Department of Agriculture. Our stock is grown at Peoria by an expert gardener. Postage paid, 50 for \$1.25; 100 for \$2.00; 1000 not prepaid, \$14.00. Buy a few hundred of this wonderful new asparagus.



Hollow Crown

Flower Seeds in Bulk

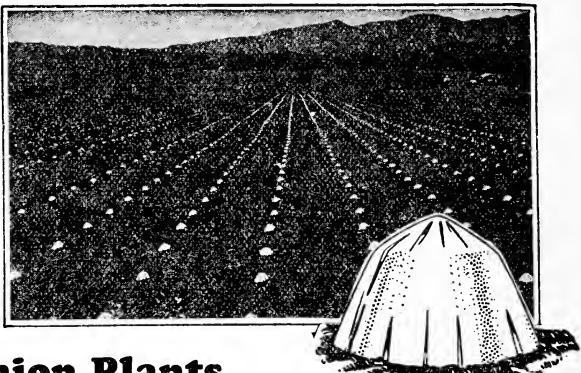
We have had so many calls for flower seeds in bulk, that we have put in a stock of good California grown flower seeds of standard varieties. Only the best varieties listed. We put these up in any size packages, but list the sizes most sold.

Sweet Peas, Spencer's exquisite blend, 10c per package, 15c per oz.
 Sweet Alyssum, 10c per package.
 Calloopsis, tall mixed, $\frac{1}{2}$ oz. 10c; oz. 15c.
 Calloopsis, dwarf mixed, $\frac{1}{2}$ oz. 10c; oz. 20c.
 Cosmos, extra early, double crested, mixed, per packet 10c.
 Delphinium, light blue, packet 10c.
 Hollyhocks, Chatteris, double exquisite mixed, packet 10c.
 Larkspur, tall branching, light rose, packet 10c.
 Larkspur, lilac, packet 10c.
 Larkspur, choice mixed, packet 10c.
 Marigold, tall mixed, packet 10c.
 Marigold, French Dwarf, double striped, packet 10c.
 Mignonette, Allen's Defiance, packet 10c.
 Nasturtium, dwarf, fancy mixed, dark leaf variety, 15c per oz.
 Nasturtium, tall variegated mixed, 10c per oz.
 Nasturtium, California Giant, special mixed, 15c per oz.
 Poppies, exquisite mixed, 10c per package.
 Verbena, blue shades, 10c per package; Mammoth choice mixed, 10c per package.
 Petunia, exquisite mixed, 10c per package.
 Petunia, Rosy Morn, 10c per package.
 Petunia, Red, 10c per package.

Hot Caps

These as you will notice from cut are miniature hot houses which protect plants from frost, wind, driving rains, insects and ground crusting. Hotcaps not only protect the plants, but makes them grow faster, increasing yield and an earlier market. They cost only about a penny and more than pays the little expense.

Prices, express or parcel post prepaid: 100 caps, \$1.50; 250 caps, \$3.00; \$11.50 per 1,000. 250 hot caps, one setter and tamper, \$4.00. 100 hot caps, one setter and one tamper, \$2.25. Germaco garden setter 50c. Standard Germaco Steel Setter, \$2.50.

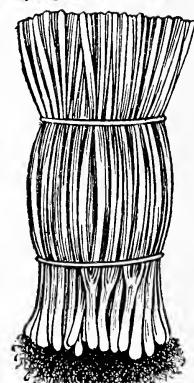


Bermuda Onion Plants

Grow your own Bermuda onions. 11c to 20c per hundred, according to quantity. You can grow these big sweet onions in your own garden at a very small cost. They are not an experiment. We have grown them for 3 years. Had some 4 inches in diameter this year. Put these plants out early, same as other onion plants.



They may not look good when you get them but forget about the looks until time to eat the onion. They are much easier to raise than from seed and grow much quicker. Our plants are field grown and will stand light frosts. Order early. Price, 200 for 4c; 500 for 75c; 1000 for \$1.00 or crate of 6000 for \$5.00. Postage or express prepaid.



Bermuda Onion Plants

Frost Proof Cabbage Plants

The seed for these is planted in the fall of the year and makes a quick growth before winter sets in, then the cold weather holds them dormant. When spring comes they are tough and hardy and will stand our early frosts and unfavorable weather. They may show yellow and weather stained when you receive them but a few sunshiny days will bring them out and you will soon have cabbages ready to eat. No order filled for less than 50. If you cannot use this many share with your neighbor.

We have three varieties of cabbages. For real early, order Early Jersey Wakefield. For later order Copenhagen Market. For kraut cabbage or winter use, order Flat Dutch. Price 25c for 100; 75c for 200; \$1.25 for 500, or \$2.00 per thousand, postage paid.

Frost Proof Cabbage

LAWN AND GARDEN ACCESSORIES

Small tools which cost little, but are very useful.

Excelsior Weeder for loosening up soil, or to kill young weeds in flower beds and small plants. **Price 15c.**



Asparagus Knife. Very good to cut dandelions or other weeds out of the lawn. Good steel blade. **Price 35c.**



No. 809 Garden Trowel. All steel one piece trowel. **Price 25c.**



No. 217 Wood Handle Garden Trowel. Big narrow blade. **Price 20c.**



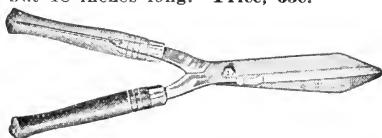
No. 8105 Garden Trowel. Steel shank and blade. Length 12 in. **Price 40c.**

No. 8106, not shown, but something exceptionally strong and is 18 inches long. **Price, 60c.**



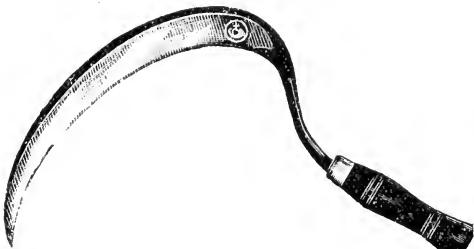
No. 8125 Hand Garden Fork. For spading around small shrubs and plants. Fork and shank one piece steel. Length 14 inches. **Price, 50c.**

No. 8126 Fork, not illustrated, same as above but 18 inches long. **Price, 65c.**



No. 207 Hedge Shear. 6 inch blade. **Price, \$1.25.**

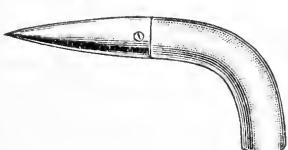
No. 201 Eight Inch Cutting Blade Hedge Shear. Same as above but longer blade. **Price, \$1.75.**



No. 5614 Grass Hooks. Best of steel. Correct design for quick, easy cutting. **Price, 60c.**



No. 102 Hoes. Short handle, round pointed. **Price, 30c.**



No. 218 Dibble or planting peg. Bent wood handle with steel point. Used for making holes to set plants. **Price 70c.**

PERFECTION LAWN EDGER

This is a very useful tool, which you have wanted for a long time. Ragged sidewalk edges are not necessary. With one of these tools you can quickly clean up the sidewalk edge with little effort. **Price, \$1.50 each.**



Note the scissors-like cutting edge

Seed Potatoes

EARLY OHIO. Red River Ohio potatoes are the best all around variety you can grow. No doubt there are more Red River Ohio potatoes grown than all others added together. This cut shows a typical sample with blunt round ends, oblong in shape, with medium eyes, rather dark smooth skin. Most every one knows what the Early Ohio is as well as we can tell them. **Price, bushel, \$1.75; per bag of two bushels, \$3.25.** Our Red River Ohios were grown in the Red River Valley.

IRISH COBLERS. Grown in the Red River Valley. First grown in the east by New Jersey and New York truckers for fancy hotel trade that required white potatoes. It is almost a pure white potato, round with rough sides, eyes deeper than the Ohio. The Cobbler is one of the highest yielding potatoes and for a medium late potato it cannot be excelled, always cooking up dry and mealy. **Price per bu., \$1.75; price per two bu. bag, \$3.25.**

EARLY TRIUMPHS. Grown in the Red River Valley. The earliest kind of a potato, sometimes called Six Weeks potato. Reddish in color, almost round with a smooth skin. Not a main crop potato, but a few should always be planted for early use. **Price per bu., \$1.75; price for two bu. bag, \$3.25.**

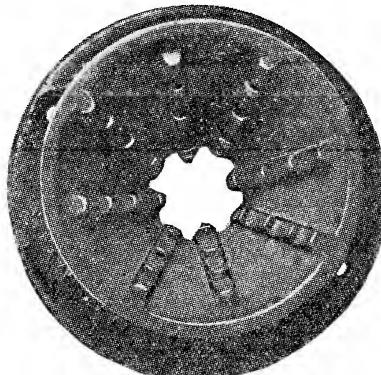
RURAL NEW YORKER. A good main crop potato, oblong in shape with two rather flat sides, smooth white skin, eyes very inconspicuous, a very high yielding variety. A potato which is adapted to most all soils. It is easily grown, a good keeper and all in all is one of the best you can grow. **Price per bu., \$2.00; price per two bu. bag, \$3.50.**

Semesan Bel for Potatoes

Treat your potatoes with Semesan Bel for scab and other diseases. The cost is small. Can use as a dust or as an instantaneous dip. Directions in every can. **Price, 4 oz. 50 cents, treats four bu. One lb. can costs \$1.75, will treat 16 to 18 bu. of potatoes.**

Prices on Seed Potatoes

At the time we go to press with this catalog, January 15th, the price of seed potatoes is not fully set. All prices are made subject to market changes. Our prices on potatoes are always low. Do not expect seed potatoes though at the price of common eating potatoes. Write for prices on large lots.



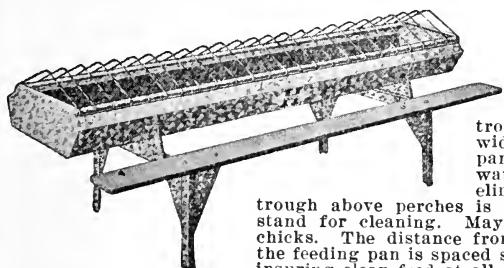
Seed Corn Nubber

This is a cast iron nubber. Makes it very convenient for removing the tips and butts of an ear. While this is a poor picture of this article, it gives you some idea as to what it is. It is bell shaped, cast around cylinder, with teeth cast in the inside, which will remove the corn from the cob by simply putting the ear in the nubber and giving it a twist.

This is our own pattern, and will do the work better than any we have ever seen. Some are being retailed at \$1.25 each. Our price only 35c.

More and Better Poultry Supplies Needed

With the increasing of the size of your flocks you need more and better equipment to handle them on a paying basis. In the poultry business you must have the proper equipment to make the business pay. In the Hudson line we offer you one of the very best lines. Not as cheap as some but as good as the best and better than the most.



trough above perches is adjustable; trough is removably mounted on stand for cleaning. May also be used as a floor feeder for growing chicks. The distance from the top of the feeding board to the top of the feeding pan is spaced so that feed never becomes soiled by droppings, insuring clean feed at all times. Hinged grill swings open for filling or

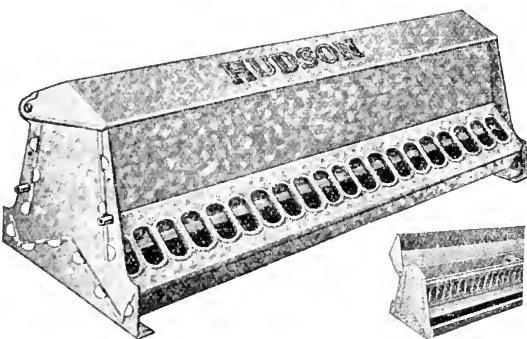
cleaning.

No. 245S. 5 Foot Mash Feeder, One in carton K. D. Shipping wt. 24 lbs.....\$5.00
No. 243S. 3 Foot Mash Feeder, One in carton K. D. Shipping wt. 18 lbs.....\$4.00

Capacity Chick Feeder

Inexpensive baby chick feeder for large flock. Sloping hinged top prevents roosting. V-shaped bottom throws feed toward outside and prevents clogging. Made in three sizes. Adjustable guard regulates quantity of feed in trough. Shipped set up.

CF24, Cap. 10 lbs., Length 24 in., Holes, 34, Ship. Wt. 34 lbs., Price, \$1.00.
CF36, Cap. 15 lbs., Length 36 in., Holes, 54, Ship. Wt. 10 lbs., Pkd. Cart., 1, Price: \$1.50.
CF48, Cap. 20 lbs., Length 48 in., Holes, 72; Ship. Wt. 12 lbs., Pkd. Cart., 1, Price: \$1.85.



WALL MASH HOPPER

This Hopper is arranged to hang on the wall the desired distance from the floor and need never be removed from the wall to be refilled. The rounded bottom and gradual enlargement from top to bottom prevents feed from clogging in hopper. The wire screen inside prevents the feed from being wasted. When both covers are closed it is rat, mouse and weather proof. Made in four sizes from galvanized iron.

No.	Height	Width	Cap.	Packed	Price
MH1.....	18 1/2 in.	9 in.	10 qts.	6 in box.	Each \$1.00
MH2.....	18 1/2 in.	12 in.	14 qts.	4 in box.	Each \$1.30
MH3.....	18 1/2 in.	18 in.	22 qts.	4 in box.	Each \$1.55
MH4.....	18 1/2 in.	24 in.	32 qts.	2 in box.	Each \$1.75

HUDSON THERMO WATERER

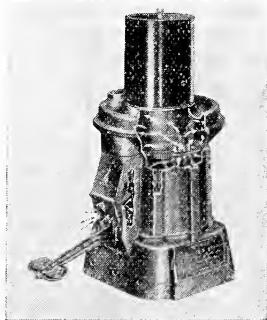
Hudson insulated Waterers packed with a non-conducting material which retains temperature of water and operates on principle of fireless cooker. In winter water will stay warm for 10 to 12 hours and no heating apparatus is necessary. For summer use, it will keep the water cool and fresh. Unusually well made and attractive in appearance. The drop handle on the top of the fountain prevents the birds from roosting.

No.	Capacity	Weight Each	Price
PF2	2-gal.	16 lbs.	\$2.25
PF3	3-gal.	20 lbs.	2.50
PF5	5-gal.	30 lbs.	3.00



Makomb's New Koal-O-Stat

The Super Brooder



If you are interested in a brooder stove and want more information on any item in the MaKomb line, we will be glad to furnish you their catalog free, which fully describes these articles, much better than we can this small catalog.

This shows the MaKomb new Koal-O-Stat super brooder, with the slotted fire pot. Since the consolidation of the Globe Stove Company of Kokomo, Indiana, and the American Steel Products Corporation of MaComb, they are now using in this super brooder the same style slotted fire pot which is used in the Globe Boy furnaces and parlor heaters. This slotted fire pot alone makes a saving of 20 to 25 per cent in fuel.

This brooder is built with a magazine on the order of a hard-coal stove, which provides ample and automatic fuel supply. It also eliminates the inconvenience of frequent fueling. Coal is evenly distributed over fuel bed around the outside, providing heat at the base just where you need it.

It is equipped with a draw center, and round shaking grate. Also, has a water pan which is one of the greatest features.

By this the air content in the brooder house is kept healthfully moist.

This brooder stove has greatest size, capacity, weight and convenience. The slotted fire pot gives instant, uniform heat. Positive BY-PASS control. Big capacity removable magazines. It is surely the greatest automatic brooder stove you can buy with this automatic fuel control.

KOAL-O-STAT SPECIFICATIONS

Fifty-six-inch Koal-O-Stat, 600 chick capacity, 90 lbs. coal capacity, shipping weight 168 lbs. **Price, \$24.00.**

Sixty-five-inch Koal-O-Stat, 800 chick capacity. 90 lbs. coal capacity, shipping weight 180 lbs. **Price, \$26.00.**

The Makomb Giant Coal Brooder

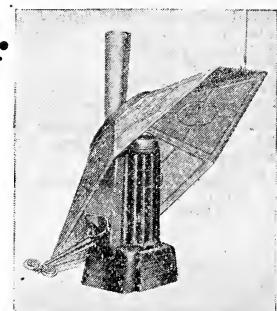
With New Tilting Top

The New MaKomb Giant Coal Brooder has several improvements over last year's stove. You will notice it has a better and larger canopy. It has a square base ash pit and greater capacity. New type coal door hinge. New regulator screw for adjustment and new hexagon canopy. It has a heavy fluted barrel with greater coal capacity. Remarkable radiating service. Front shake, side dump grates. Patented Bi-Pass control. Self cleaning cover. Two way damper with spring release. The fluted barrel presents maximum heating surfaces and insures economy in fuel. Its shape, tapering outward to the bottom, allows the fuel to settle without bridging. The slotted fire pot is an exclusive Koal-O-Stat design. This is the same wonderful combustion system that is used in the famous Globe Glow-Boy parlor furnace—the most efficient system of fuel burning ever developed. Either hard or soft coal can be used with maximum efficiency.

Forty-seven-inch Giant, 350 chick capacity, 35 lbs. coal capacity, shipping weight 102 lbs. **Price, \$13.50.**

Fifty-six inch Giant, 600 chick capacity, 52 lbs. coal capacity, shipping weight 130 lbs. **Price, \$18.00.**

Sixty-five-inch Giant, 800 chick capacity, 73 lbs. coal capacity, shipping weight 158 lbs. **Price, \$21.50.**



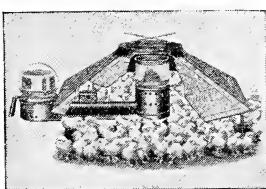
Giant with New Tilting Canopy



MaKomb Giant in Use

The Makomb Ker-O-Stat Automatic Oil Brooder

The Only Successful Automatic Blue Flame Brooder



MaKomb Ker-O-Stat

The Ker-O-Stat stove is of the most advanced type. No wick. No gas. No fumes. The burner is completely guarded by a heavy steel shell and by a closely woven wire screen. Has automatic Safety Pilot Light. This and the full Thermostatic Control afford completely automatic operation without danger of the flame going out. On warm days there is no heat generation; but the pilot light, of improved construction, stands guard to relight the burner the moment outside temperatures drop.

Forty-five-inch Ker-O-Stat, 250 chick capacity, shipping weight 47 lbs. **Price, \$13.50.**

Five-five-inch Ker-O-Stat, 500 chick capacity, shipping weight 53 lbs. **Price, \$15.00.**

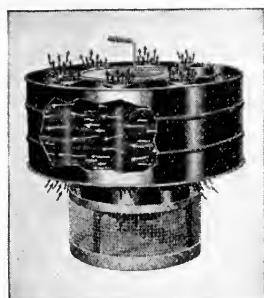
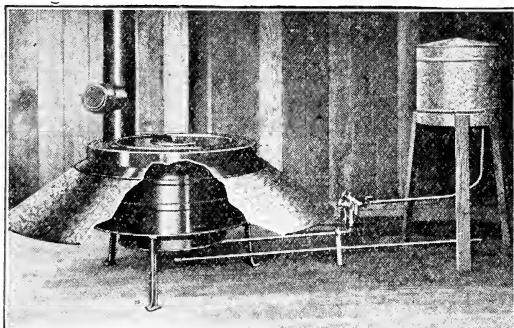
Standard Oil-O-Stat

The Standard Oil-O-Stat—the biggest selling Drum Type Oil Brooder on the market. This Oil-O-Stat burns distillate or furnace oil. It saves from one-third to one-half on your fuel bill. Twin blast burner. Exclusive baffle chutes make flame travel 18 feet. No priming and simply won't go out. Ventilates as well as heats the brooder house. Automatic draft adjuster for economy. Eliminates fire hazards. Free of smoke and gas. Designed to work properly on calm days or high windy days. The MaKomb Automatic Draft Adjuster not only checks this waste but dissipates any down draft before it can reach the burner flame.

With this brooder you can put the tank outside of the brooder house, but will work better with the tank inside where the oil will be warmer and will make a hotter flame with the same amount of oil. It not only heats under the canopy but heats the whole brooder house.

Fifty-six-inch Standard Oil-O-Stat, 600 chick capacity, shipping weight 100 lbs. **Price, \$27.50.**

Sixty-five-inch Standard Oil-O-Stat, 1,000 chick capacity, shipping weight 100 lbs. **Price, \$30.00.**



The Senior Oil-O-Stat

This is without doubt the greatest room type heater of drum brooders ever offered. The seven four-inch tubes which now extend through the drum of the Senior effect a startling increase in circulating capacity and all-round efficiency. With 3,900 square inches of radiating surface, the Senior has approximately 40 per cent greater heating surface than competitive brooders. All the air in a 10 by 12 foot brooder house must pass through the heater once every ten minutes. There are no cold corners with the Senior.

A screen guard is provided to place around the base to keep out litter. Sixty inches of copper tubing are supplied for connecting the fuel tanks. All metal in the drum is 22 gauge or heavier making it substantial and long lived.

A wonderful house heater, and can be used as a hog house heater or to dry seed corn. In drying seed corn, the heated air is in continuous circulation, which is very necessary in drying corn.

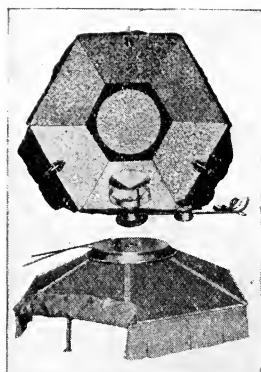
Shipping weight, 110 lbs. **Price, \$30.00.**

The Makomb "Deluxe" Electric Brooder

Clear, all metal interior, with radiating and heat reflecting surfaces on under side of canopy. Thorough insulation on top of canopy, where it insulates, but cannot absorb heat. Positive and instantaneous switch action. No radio interference. Forced circulation of air beneath canopy to prevent sweating. Tests prove it saves approximately 50 per cent of the current formerly required to operate electric brooders. Canopy is insulated with indestructible Masonite. Complete with thermometer and cord, ready to plug into socket.

Forty-seven-inch DeLuxe Electric Brooder, 200 chick capacity, shipping weight, 60 lbs. **Price, \$17.50.**

Fifty-six-inch DeLuxe Electric Brooder, 400 chick capacity, shipping weight, 70 lbs. **Price, \$22.00.**

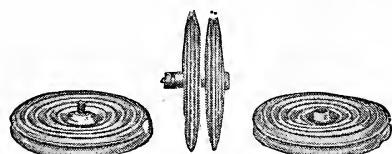


The Makomb Junior Electric Brooder

For small flocks, the MaKomb Junior Electric Brooder is practical and economical. For general use a 25-watt bulb provides ample heat, and with outside air touching freezing, a 40-watt bulb will maintain brooding temperatures. A galvanized steel drum encloses the bulb, preventing glare and producing steady circulation of the air throughout the brooder. The heavy hemmed curtain is slit for chick convenience, and may be easily removed for cleaning. Packed complete with 10 feet of cord and screw plug, in strong shipping carton. The bulb is not furnished.

Twenty-two-inch MaKomb Junior, 80 chick capacity, shipping weight, 8 lbs. **Price, \$3.50.**

Thirty-inch MaKomb Junior, 130 chick capacity, shipping weight, 16 lbs. **Price, \$5.50.**



Hudson Unit Wafer Thermostats

For Brooders and Incubators

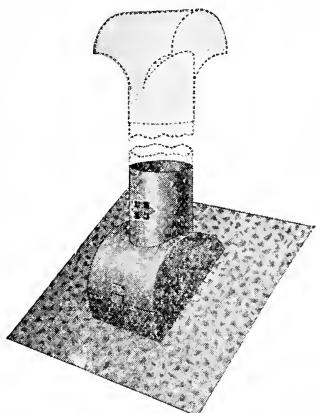
Made of special tempered brass, ether filled, sensitive, accurate, and durable. Size 3 inches, weight each 4 ounces. Be sure and test your wafers before each hatch as wafers often become dead, and this is one way to be sure that you have an active wafer. Price by mail, 45 cents each.

Hudson Brooder Cupolas

Square base combination ventilator and pipe cap for use on flat and gable roof brooder houses. Pipe collar designed to receive either four or five inch brooder pipe. Made from heavy galvanized iron strongly braced. Aluminum finish.

Sixteen by 16 base, height 36 inches, vent flue 12 inches diameter, shipping weight 25 lbs. Price, \$6.50.

Twelve by 12 base, vent flue 9 inches diameter, height 27 inches, shipping weight 18 lbs. Price, \$5.50.



Hudson Adjustable Roof Saddle

For brooder stove pipe, made of galvanized iron and adjustable for any angle for flat roof. Pipe cap not included. Storm and rain proof. Shipping weight, 4 lbs. Roof saddle for 4 inch pipe, \$1.10. For 5 inch pipe, \$1.25.

Hudson Pipe Caps

Pipe caps keep out rain and assure good draft. Made from heavy galvanized iron. Shipping weight, 5 lbs. For 4 inch pipe, 35c. For 5 inch pipe, 40c.

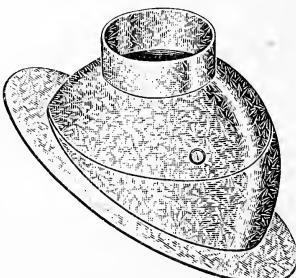


Adjustable Roof Saddle

At last, a perfected saddle from which MaKomb has lifted the high price barrier. Every Coal Brooder or Drum Type Oil Brooder pipe should be installed through this MaKomb Roof Saddle. It is beautifully simple — just two spheres rotating one over the other—but exceedingly efficient.

The illustration shows the construction clearly. The upper shell is locked where desired by two set screws. The saddle is formed over new and accurate dies from the best Tite Coat Galvanized Steel. It comes complete with rain cap but without pipe.

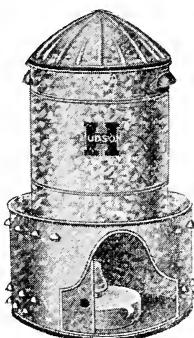
4 in. size. Wt. 3 lbs. \$0.90
5 in. size. Wt. 3 lbs. 1.00



Hudson Poultry Fountain

Five Gallon—Vacuum Type—
Lamp Heated

Five gallon lamp heated fountain for winter or summer use. Suitable for 75 to 100 birds. The fountain is of the double jacket vacuum control, slip cover type. Drinking trough all around providing drinking space for 10 to 12 birds at a time. The water feed is automatic. Inner tank may be used for carrying water. Automatic shut-off valve prevents water from running from supply tank when inverted cover is removed for filling. Inverted cover locks onto inner jacket so that fountain can be lifted whether cover is in place or has been removed. Fountain is lifted from base to attend lamp. Complete with No. 82B Lamp Bowl and large No. 2 Simplex Flueless Burner of 60 hours capacity.



No. 05. Five Gallon Fountain, 1 in a carton, K. D., shipping weight 15 lbs. Price

Adjustable roof saddle and rain cap.

Peat Moss

Genuine Poultry Litter

Put up in tightly bound bales weighing 130 to 140 lbs. each. A bale when open will measure about 20 bushel. It will absorb ten times its weight in moisture. Best poultry litter you can use. Good for fertilizer after used as a poultry litter.

Price, medium for poultry litter, bale, \$3.00. Imported direct from Germany by us.

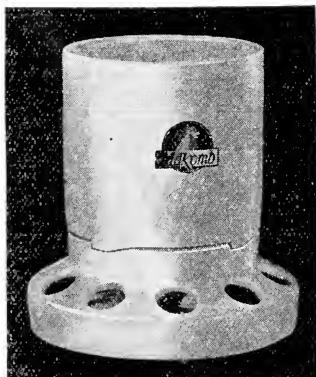
Adjustable Non-Spill Feeder

Pat. App. for

This feeder is ideal for clammer or buttermilk because it prevents spilling when being inverted after filling. Despite this exclusive non-spilling design, it has a large free flowing opening. The method of this perfected idea is clearly shown in the illustration. Thin wet mash, dry mash or any liquids may be fed. Eight hole pan. Chicks can't climb in. Best grade fire stoneware glazed inside and out. One gallon size only.

One in a carton. Wt. 11 lbs. \$0.75

Six in a crate. Wt. 80 lbs. 4.25



Open to Feed

Hudson All-Metal Nest

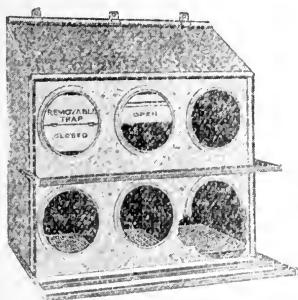
Get rid of lice and mite infested wooden nests. Install Hudson screen or metal bottom all-metal nests and see the difference. No more parasites to plague and irritate your hens. Hudson nests are built of galvanized copper steel sheets. NO MORE DIRTY NESTS AND DIRTY EGGS.

All Hudson Nests are fitted for locking style traps which can be purchased with nests or later. Can be set up by anyone in a few minutes. Shipped completely knocked down and crated.

Six nests, concave wire bottom \$ 7.00

Ten nests, concave wire bottom 10.00

Trap nest fronts, each45



Hudson Hog Troughs

New design. Double thickness. Folded edges. Tubular cross braces, one foot apart. One piece pressed bottom. Freezing will not push out the ends of these troughs like the old style troughs as they are one piece. No soldering.

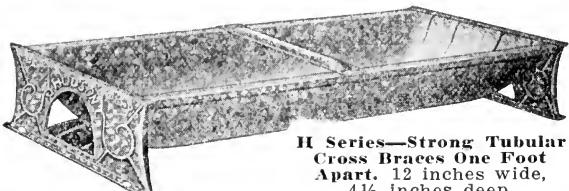
2 ft. trough, specially adapted for feeding small pigs, lambs and poultry, 55c each; 6 or more, 50c each.

3 ft. trough \$1.00

4 ft. heavy 20 gauge 1.50

4 ft. light weight 1.25

6 ft. heavy 20 gauge 2.00



II Series—Strong Tubular Cross Braces One Foot Apart. 12 inches wide, 4 1/2 inches deep.

Brooder Coops

Protect your chickens from vermin and storms. Do not raise chickens and have rats, minks, weasels and skunks destroy them and destroy the profits when you can buy brood coops at these low prices. Substantially built of 28 gauge galvanized iron. Size 24x16x18, well ventilated, shipping weight 11 lbs., packed 1/2 dozen in carton, \$6.25; 1 dozen, \$12.00.

Black Leaf 40

Black Leaf 40 is a powerful and effective liquid insecticide which contains 40 per cent nicotine. It is a by-product of the tobacco plant which kills aphids, stripe and leaf roller. It may also be used as a spray for use against all insects. Recommended by florists and entomologists. It is the best thing you can use on roses and shrubs to kill any insects which feed on the leaves. One of the new and best ways to rid your chickens of lice, is to paint the roosts with Black Leaf 40. Take a cheap paint brush and paint the roosts. The nicotine fumes do the work. No catching and dusting the fowls. **Price, 1 oz. bottle, 25c; 1/2 lb. tin, \$1.15; 2 lb. tin, \$3.15.**

Nails, Smooth Wire and Fencing

We contract these, several cars at a time and are in position to make very low prices. For large lots, please write for special prices. We quote on small lots, F. O. B. Peoria or San Jose. All wire fencing, barb wire, and smooth wire, is the very best, coated with pure zinc. No cheap mail order fencing. None better made.

80 rod roll, No. 12 cattle barb wire.....	\$3.00
80 rod roll, 12 gauge hog barb wire.....	3.25
No. 9 gal. smooth wire, 100 lbs.....	3.25
No. 12 galv. smooth wire, 100 lbs.....	3.50

NAILS

16 penny common, or larger, per keg.....	\$3.25
8 penny common, per keg	3.25
10 penny common, per keg.....	3.25
3 penny galv. shingle nails, per keg..	5.50
Large headed, galv. roof nails, per keg	6.00

WIRE FENCING

How to read specifications of fence
 726-6-11, means first the number line wires (7),
 the next two figures the height (26 in.), the
 next figure the lengthwise spacing which is
 6 inches, and the next two figures (11) is the
 size of the wire. **Price, 42c per rod.**
 726-6-12½, 30c rod; 12 inch stay, 25c rod.
 726-6-11, 40c rod; 12 inch stay, 33c rod.
 832-6-12½, 37c rod; 12 inch stay, 30c rod.
 832-6-11, 50c rod; 12 inch stay, 38c rod.
 939-6-12½, 42c rod; 12 inch stay, 32c rod.
 939-6-11, 60c rod; 12 inch stay, 42c rod.
 1047-6-11, 58c rod; 12 inch stay, 45c rod.
 1155-6-11, 70c rod; 12 inch stay, 55c rod.

OPEN SPACING POULTRY FENCE

You will note we have two different spacing of poultry fence. Open space which has
 15 wires and 48 inches high. Close spacing, 20 wires and 48 inches high.
 15 wires, 48 inches high No. 11 top and bottom, 14½ filler..... 47c per rod
 16 wires, 48 inches high No. 10 top and bottom, 12½ filler..... 65c per rod
 17 wires, 60 inches high No. 11 top and bottom, 14½ filler..... 55c per rod
 18 wires, 60 inches high No. 10 top and bottom, 12½ filler..... 75c per rod

STEEL FENCE POSTS

Heavy studded T posts, same as red top only
 painted all red, including seven wire fasteners
 for each post:

ALL NO. 9 WIRE

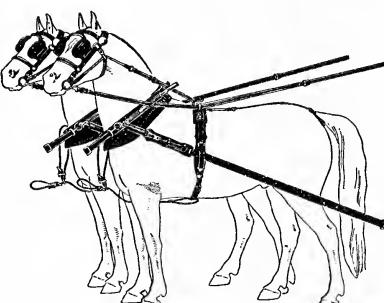
726-6-9, price 60c rod; 12 inch stay, 45c rod.
832-6-9, 70c rod; 12 inch stay, 50c rod.
939-6-9, 80c rod; 12 inch stay, 58c rod.
1047-6-9, 90c rod; 12 inch stay, 65c rod.

1155-6-9, \$1.00 rod; 12 inch stay, 75c rod.

POULTRY AND RABBIT FENCING

16 wire, 36 in. high, 6 in. space, 15½ filler, 42c rod; 14½ filler, 45c rod.
19 wire, 48 in. high, 6 in. space, 15½ filler, 50c; 14½ filler, 55c rod.
22 wire, 60 in. high, 6 in. space, 15½ filler, 55c rod; 14½ filler, 65c rod.
25 wire, 72 in. high, 6 in. space, 15½ filler, 65c; 14½ filler, 75c rod.
No. 10 top and bottom, 12½ in. filler, heaviest chicken fence.
19 wires, 48 in. high, 6 in. space, 12½ filler, 80c.
22 wires, 60 in. high, 6 in. space, 12½ filler, 90c.

Team Harness



All harness or strap work is considerably lower than last year on account of the lower price of hides.

We carry many different kinds of harness in stock both at Peoria and San Jose. If you are near enough to come to San Jose, we will be glad to show you our entire line.

We give you a description of our leader which is made up to our specifications and which, we think, is the best harness made. All No. 1 oak tanned leather, which if not entirely satisfactory may be returned at our expense and money refunded.

Most mail order houses try to sell on just price alone but we offer the best and at a fair price. This harness is made of the very best No. 1 oak tanned leather, sewed with pure linen thread and is full size in every way. No small or skimped harness but as good as is made.

We will ship one of these sets either slip tug or tight. If it does not look to be worth the money when you receive it all we ask is for you to return it to us and your money will be refunded. We paying the charges both ways.

Description: Bridles adjustable, ring crowned, short cheeked, combination front and winker brace $\frac{3}{8}$ in. extra heavy (most bridles being made $\frac{3}{4}$ in.), lines $1\frac{1}{8}$ in. x 20 feet long with snaps; hames 92 bar top, ironed both inside and out; traces $1\frac{3}{4}$ in. screwed in cock eye; hame tugs $1\frac{3}{4}$ in. Moehler, adjustable trace supports, hook and terret pads, stuffed in bottoms. Turn back, folded crupper either buckled or sewed on. Belly bands $1\frac{1}{4}$ in. folded. Breast straps $1\frac{1}{2}$ in. wide, cut 66 inches long, doubled at ring, sewed loops and metal slides. Pole straps full $1\frac{1}{2}$ in. long with ring sewed in for breeching. Hame straps 1 inch; collar straps $\frac{3}{8}$ in.; spread straps $\frac{3}{8}$ in.; hitch straps $\frac{3}{8}$ in. wide by 7 feet long, with loop. We can furnish this harness either in XC bright finish or black Jappanned finish. Made right and of the very best leather. **Price complete \$50.00. Full length $1\frac{3}{4}$ traces with heel chains, same price.**

STRAP WORK—Just a few every day items. None better

EXTRA HEAVY TEAM BRIDLES, like in above harness, per pair, \$9.00.

TEAM LINES, $1\frac{1}{8}$ inch by 20 feet long, with snaps, per set, \$6.50.

TRACES, $1\frac{1}{2}$ inch, 6 ft. 6 inches long, sewed in cock eye, per set, \$11.00.

BREAST STRAPS, 1½ inch, cut 66 inches long, sewed loop, \$1.00.
 BREAST STRAPS, 1½ inch, riveted loops, each, 75c.
 HITCH STRAPS, ¾ inch by 7 feet with metal loop, each, 50c.
 HITCH STRAPS, ¾ inch by 7 feet with metal loop, each, 60c.
 No. 1—½ inch hame straps, hand sewed loop, each, 25c.
 No. 1—1 inch hame straps, sewed loops, each, 30c.
 SEVEN 1 INCH LINE SNAPS, 25c.

Binder Twine

We buy binder twine on a jobbing basis, selling several carloads every year. While the price is not set yet, we ask you not to forget us and give us a chance to figure on your needs. By March 1st we will have our prices. We will quote freight paid to your station, or call at our stores. Made by one of the largest makers of twine.

Prices on twine much lower this year.

SWEAT PADS

Prices lower than Sears & Roebuck. Red Edge, 11 inch draft collar pad, composite stuffing, five rows quilting, four hooks. Best pad of this kind made. All sizes up to 22 inches, 45c each; 23, 24, 25 inch, 50c.

Same pad but with drill facing and brown bock, size up to 22 inches, 65c each; 23, 24, 25 inch, 70c each.



10 inch draft, filler padding made of human felt, lined with high class black glazed drill. Heavy brown front, overseamed edges, 4 hooks. This pad is what we think the best made for a thin pad. Drill goes next to the horses shoulders. This drill is smooth, easily cleaned and does not chafe like a felt pad. Price, all sizes up to 22 inches, price 65c each; 23 inches and larger, price 70c each.

KING

GATOR-HIDE MULCH PAPER

There is a growing demand for mulch paper. Experiments show a decided increase in the yield of mulched over unmulched areas, and also that crops grown under mulch paper reach maturity much earlier. Mulch paper conserves moisture, increases soil temperature, controls weeds, and increases the development of plant food, as you will notice in the picture above.



Paper-Mulched

Excelsior Mulched

No Mulch

No. 8

The paper-mulched area yielded 29.2 barrels of prime potatoes, while the excelsior-mulched and the area not mulched yielded only 7.6 and 8.3 barrels respectively. Plots were of equal area and received the same amounts of fertilizer.

PRICES: Prepaid to your station on two rolls or more.

Type A, 36 inches wide, 900 lineal feet long, price per roll.....	\$7.00
Type A, 18 inches wide, 900 lineal feet long, price per roll.....	3.50
Type B, 36 inches wide, 450 lineal feet long, price per roll.....	7.00
Type B, 18 inches wide, 450 lineal feet long, price per roll.....	3.50
Special trial roll, 18 inches wide, 45 feet long, \$1.00 per roll.	

F E E D S

We quote you feeds at the following prices, subject to market change. Feed prices are at the lowest point they have been for a good many years, and while feed grains are also very low in price, it will usually pay you to sell some of the low protein feeds, such as corn, oats and barley, and buy some higher protein feeds such as soy bean meal, linseed meal and cotton seed meal and mix with your usual feed to make a balanced ration.

At this time with the low price on soy bean meal, we recommend this as the best protein supplement you can buy. Soy bean meal which contains 40 to 44 per cent protein, can be bought at \$42.50 to \$45.00 per ton. Linseed meal which contains 34 per cent protein will cost you \$46.00 to \$48.00 per ton. Cotton seed meal is some cheaper but not a desirable feed for most animals, although very good in finishing up cattle.

Soy bean meal is not confined as a feed for dairy cows alone, but is equally as good for beef cattle, hogs, poultry and sheep, being pound for pound in this respect as oil meal and meat scraps in their rations.



Soy bean meal is chiefly an Illinois product. Illinois produces more soy beans than any other state. If you expect to have a market for your soy beans, it is only just and right that you should use some of this product, instead of buying cotton seed meal from the South or linseed meal from the North.

A hog which has fattened on 80 per cent corn and 20 per cent soy bean meal, will produce as good pork as one fed 100 per cent corn. A hog fed on 80 per cent corn and 20 per cent whole soy beans will show soft pork, poor lard, so we do not recommend feeding many whole beans to hogs, where in fact it is economy to sell the soy beans and buy soy bean meal, as the oil in the whole beans is too laxative for best results.

We offer you soy bean meal at \$2.25 per bag or \$44.00 per ton. Wheat bran, \$1.20 bag or \$23.00 ton. Flour middlings, \$1.30 bag, or \$25.00 ton. Red Dog, \$1.65 bag or \$32.00 ton. Tankage, \$3.00 bag or \$55.00 ton. Meat scraps, \$3.25 bag or \$64.00 ton. Linseed oil meal, old process, \$2.60 bag or \$50.00 ton.

Crushed oyster shells for poultry, \$1.00 per bag.

KELLY'S EGG MASH

We manufacture our own egg mash which contains the following ingredients: bran, flour middlings, corn meal, oats, meat scraps, soy bean meal, alfalfa leaf meal, charcoal and dried buttermilk.

This makes a very high grade analysis, containing a protein content of 19.7, which is fully 10 per cent more than the average. Fat, 4.82. Crude fiber, 5.06. Nitrogen-free extract 54 per cent.

The price on this high grade mash is \$2.40 per bag or \$45.00 per ton, subject to market change.

We also expect to make a high grade growing mash by February 10th. If you are interested in this, please let us hear from you as we can save you money.

GROWING ALFALFA IN ILLINOIS

We give you a few facts from University of Illinois Bulletin No. 349 by Dr. W. L. Burlison, Dr. O. H. Sears and Prof. J. C. Hackleman three authorities on this matter. We give you a few extracts from this bulletin, and would ask you to please write to the University of Illinois for Bulletin No. 349 on "Growing Alfalfa in Illinois." This is a most valuable bulletin to anyone who grows feeds of any kind. The character of the soil is one of the most important factors in alfalfa production in Illinois. Some Illinois soils are naturally adapted to this crop; others may be made suitable by soil treatment; still others are entirely unadapted to it. Most Illinois soils lack the bacteria that form nodules on and fix nitrogen in the alfalfa plant. These bacteria must be supplied in the form of inoculation in some manner. Inoculation improves quality and increases quantity. Alfalfa not inoculated contained 321 lbs. of protein per ton. Inoculated alfalfa produced 392 pounds of protein per ton. An increase of 71 pounds of protein per ton by inoculation. If you cut four ton per acre, this will make an increase of 284 pounds extra of protein in a single crop. If not inoculated, alfalfa is a failure even if on limed land. Lime and phosphate are no substitutes for inoculation. It is the high protein content of alfalfa that makes it one of the most valued hays for milk and meat production.

Alfalfa requires a sweet soil. It is a waste to sow alfalfa on sour soil. Alfalfa produces more feed per acre for hogs than any other forage crop. It is just as essential to get good adapted strains of alfalfa to plant as it is to choose the proper variety of corn. On a field at Urbana, Illinois, for the years 1924 and 1925, South Dakota No. 12 gave a higher yield of hay than any other variety. It is very necessary that you get seed adapted to your section. Much alfalfa seed comes from the Southwest, Colorado, Arizona, New Mexico, Oklahoma, California and Texas. The same applies to red clover. Southwest seeds are always cheaper than North and Northwest seeds, but are the most expensive to sow in the end.

Please note these facts from this bulletin. Arizona seed showed a stand on November 24, 1926, before first winter of 70 plants. June 23, 1927, after first winter, 47 plants. May 19, 1928, after second winter, 10 plants. California showed 71 for the first winter, after

second winter, 26. Italian, 51 before first winter, 3 after second winter. Montana Common, 77 before first winter, 72 after second winter. South Dakota No. 12, 83 before first winter, 72 after second winter. Grimm, 74 before first winter, 78 after second winter. Grimm showed an increase of 4 plants, which evidently came from some hard seed, coming up the second year, and none being winter killed.

This shows the value of hardy varieties. Today at the low price of Grimm alfalfa seed, which is the lowest that it has ever been sold, it will pay well to sow Grimm. The best time to cut alfalfa is when one-tenth is in the blooming stage. Be sure to sow some alfalfa this spring.

Bee Keeper's Supplies



For several years we have had calls for bee supplies. In order to take care of this business we have put in a new stock of supplies at our Peoria house, and all shipments of bee supplies are made from Peoria. All hives and woodenware are manufactured by the G. B. Lewis Company, Watertown, Wisconsin, one of the best and largest manufacturers of bee supplies in the United States. Our Foundation cores are all manufactured by Dadant & Sons, of Hamilton, Illinois.

Hive No. L20165

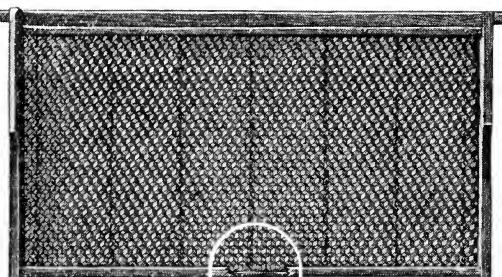
This is one of the best hives of a large line manufactured by the Lewis Company. These hives have slotted bottom wire frames, and are fitted with long top bars. The under-part of this cover is made of Masonite-Preswood. This product is extremely durable and is now being extensively used in many industries where tough, non-warping qualities are required. It will not shrink, expand or check.

No inner cover or cloth is necessary on the hive when this cover is used. The underside is flat and furnishes only the correct bee space above the combs. Bees quickly seal it to the hive so that it will not blow off readily.

The comb shown at the right is the result of using Dadant's wired foundation in our slotted bottom bar frames. Note that it is perfectly attached to the bottom bar and every part contains perfect worker cells. Such combs produced in Lewis hives make a perfect combination for more profit.

One 10-frame hive includes one Watertown cover, 10 Hoffman self-spacing frames, one hive body, one bottom board, two metal frame rests, one entrance reducer, nails, ready for setting up.

Price: Single hive, \$3.00; five hives, \$2.70 each.



Combs like this are made when built in Slotted Bottom Bar Frames and on Wired Foundation.

No. 1 Comb Honey Super

For $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$ " Beeway Sections. This style super is considered standard by most comb honey producers. It is made of clear pine with tight-fitting dovetailed corners. Made in both 8 and 10-inch frame sizes. Equipped with $1\frac{1}{10}$ " thick separators scalloped top and bottom. Each super has a hand grip on each side and end. The 8-frame size takes 24, $4\frac{1}{4} \times 1\frac{1}{8}$ " beeway sections; the 10-frame size, 28. The sides, ends and inside parts are all smooth and we guarantee this super to be more accurate than any other. Filled sections from this super ship more safely than plain sections as the corners of the beeways stand out and protect the surface of the comb honey.

Prices of 10 and 8-Frame No. 1 Comb Honey Section Supers

One 8-frame No. 1 Super consisting of 1 super shell, 6 section holders, 6 separators, 3 super springs, 2 flat tins, nails, no sections, no comb, no foundation, ready for setting up. **Price: \$1.15 each; five supers \$4.35; one super complete with sections \$1.35.**

One 10-frame No. 1 Super consisting of 1 super shell, 7 section holders, 8 separators, 3 super springs, 2 flat tins, 3 cleats, nails, no sections, no comb foundation, ready for setting up. **Price: \$1.25 each; lots of 5 \$4.70. One super complete with sections, \$1.45.**

Section Honey Boxes

Accuracy Test

You, too, could fold Lewis sections blindfolded—they are so accurately made. They dovetail without jamming, and stay locked when folded, saving a world of time. These folding qualities speed up preparation of the supers, and often, time saved means another super of honey.

On April 13, 1929, was made one of our frequent tests of competitive makes of sections. In a folding test made by a large Wisconsin comb honey producer, who did not know whose sections he worked with, not a single Lewis section broke. No other made a similar record.

Section Honey Boxes—Continued

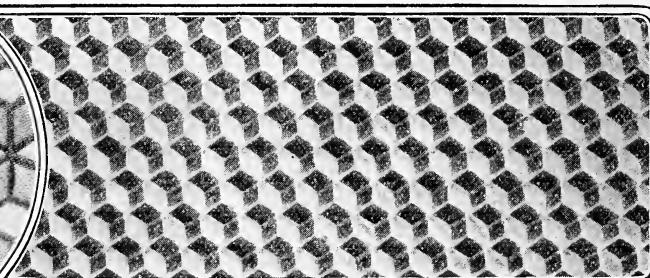
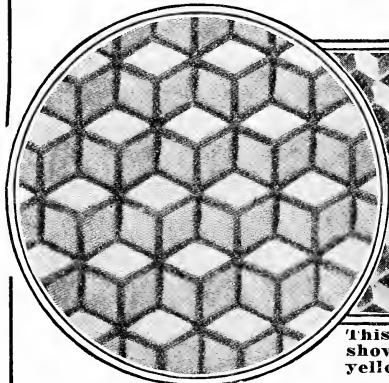
Lewis sections are made of Northern Wisconsin basswood lumber, the best by test, because of its tough fiber, whiteness of color and ability to take the high polish which has made our sections famous. Only the whitest stock is used, choice being made by the mill graders and our own factory inspectors, out of hundreds of cars of basswood which we buy annually.

The combination of the best lumber, expensive machinery and human skill is responsible for the accuracy of the folding cut of Lewis sections. Our V-groove is one that utilizes the most face to face surface when folded, hence does away with wobbling. The beeways are smooth to minimize propolis for you to clean off after harvesting the crop.

Lewis sections are sold under two brand names—Renown and Favorite. Equal care is exercised in making every section sold under each of these two names. The Renowns are made from the whitest basswood lumber that can possibly be obtained. The lumber in the Favorites is slightly darker in color than in the Renowns but otherwise the workmanship is equal as good. These are made in different sizes but we carry in stock only the $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$ " two beeway sections.

Price: Renown brand, 100 beeway sections, \$1.35; 500 beeway Renowns, \$6.55; 2,000 Renowns, \$25.70. 100 beeway sections, Favorite brand, \$1.25; 500 beeway Favorites, \$6.00; 2,000 Favorites, \$22.50.

Dadant's Plain Foundation



This picture of a sheet of Dadant's plain foundation shows the nice even cells. Every sheet has a fine, clear, yellow color; is firm yet pliable, and has a pleasant waxy odor.

Value of Comb Foundation

Comb foundation is a sheet of wax, pressed between metal mills so the sheet looks just like the base of bees' comb after the walls are cut off. The amount of wax in the sheet determines how far the bees will be able to build full cells without adding wax of their own. The best sheet, of course, is one which comes nearest producing full cells without additional wax. Heavy foundation is best therefore, especially in the brood chamber. Medium brood foundation should be used in all brood and extracting frames. Since bees use large amounts of honey in making wax for comb building, foundation saves them much of this effort and honey.

Foundation Price List

In ordering give catalog numbers so we may know the sizes you want.

Wired Medium Brood for Slotted Bottom Bar Frames

M 350— $8\frac{3}{8}'' \times 16\frac{3}{4}''$ Hoffman Frames, 10 sheets \$1.10; 50 sheets \$5.10.
M 352— $5\frac{1}{2}'' \times 16\frac{3}{4}''$, $5\frac{3}{8}''$ Shallow Frames, 10 sheets 63c; 50 sheets \$2.96.

Plain Medium Brood for Solid Bottom Bar Frames

M 380—Reg. $7\frac{7}{8}'' \times 16\frac{3}{4}''$ Hoffman Frames, 10 sheets 90c; 50 sheets \$4.25.
M 382— $4\frac{1}{2}'' \times 16\frac{3}{4}''$, $5\frac{3}{8}''$ Shallow Frames, 10 sheets 50c; 50 sheets \$2.30.

Thin Surplus for Section Boxes and Bulk Comb Honey Frames

M 3100— $3\frac{3}{8}'' \times 16\frac{1}{2}''$ for all $4\frac{1}{4}''$ Square Sections, 1 lb. 80c; 5 lbs. \$3.75.

Don't Get Stung! Woodman's New Smokers Control Bees

Woodman's improved smokers are always ready for action with dense cool smoke which never angers the bees. The bellows are equipped with new special type spring valve.

Postage extra on all Smokers. Add \$1.00 shipped from factory.

PRICE LIST OF WOODMAN SMOKERS

	Wt.	Tin
L47—Big Smoke, with shield	4	x 10
	3	lbs. \$1.75
L41—Smoke Engine	4	x 7
	2	lbs. 1.25
L42—Doctor	3 1/2	x 7
	1 3/4	lbs. 1.00
L44—Little Wonder	3	x 5 1/2
	1 1/2	lbs. .75

extra to prices for copper smokers to be

Silk Face Tulle Veil

Made of best imported tulle, so fine that wearer forgets he has a veil on. Rubber cords makes it fit tightly. So light it takes less room in the pocket than a handkerchief. Flexible rubber cords allow quick adjustment around collar and over hat, yet veil is tight both at top and bottom. **Price: 90c.**



Wire Bee Veil

Made of fine mesh wire. Fits tightly over shoulders and neck. **Price: 90c.**

Lewis Hand Section Press

Handy for folding a small quantity of sections. Adjusted for 4 1/4 x 1 1/2" but furnished for other standard sizes.

L444—Wt. 1 lb., postage extra. **Each 40c.**

Rauchfuss Foundation Cutting Box

L453—For cutting foundation for sections. K. D. Postage extra, wt. 3 lbs. **Each 70c.**

Nursery Stock

For several years we have had many calls for nursery stock. We are very particular about what we sell to the public, and there has been considerable misunderstanding in the stock of some nurseries and we have kept out of the nursery business until now, but we have made arrangements with one of the largest in the country near Peoria whom we know is honest and reliable.

During season we will carry a small nursery stock at our Peoria house, but prefer to take your orders and have these shipped direct from the nursery. By doing this the nursery stock will reach you in better condition than it would by sending it out of our stock, as it will be fresh and well packed. We will send all items which can be sent out by **parcel post prepaid**. On large items which go by freight or express, you will pay the express or freight charges. There will be no packing charges added to our price. Our space permits us to list only a few of the best varieties of each kind. We have selected these items from a big stock, where in some cases the nursery has 100 different varieties. We offer you these at our usual low prices. These are not culs from the best stock, as is often offered by mail order houses. When you order from us you get the best stock in the nursery.

Parker Fastener

A simple low priced device for fastening starters in 4 1/4 x 4 1/4" sections.

L447—Wt. 14 oz., postage extra. **Each 45c.**

Scraper and Foundation Fastener

L454—Wt. 7 oz., postage extra. **Each 19c.**



We Sell Only Reliable Nursery Stock.

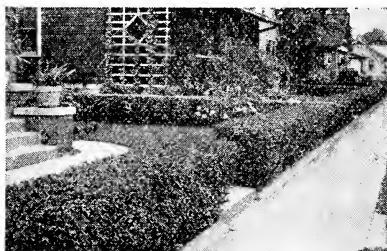
Ornamental Department

Special prices on any items in large lots.

The demand for ornamental trees, shrubs, and plants has greatly increased in the past few years. There is nothing about a homestead in the country or residence in a city or village that reflects the culture and refinement of the owner as do well kept and judiciously planted grounds. Also adds selling value as well as beauty and comfort. It is not necessary that you employ a landscape gardener to do this work, although if you have plenty of money and expect to do considerable planting, it would be best to do so. You can get ideas from many sources which will show you just about how you want your trees, shrubs, etc., planted. **No order shipped for less than \$1.00.**



Note the Added Beauty By a Few Shrubs



Privit Hedge

BUTTERFLY BUSH (Budelia). Very attractive; 3 to 6 ft. tall; is valued for its very conspicuous dark blue "lilac" flowers borne in late July and August. Makes a quick bushy growth in the spring. 18 to 24 inch plant. **Price: Each 45c; 3 for \$1.25.**

PRIDE OF ROCHESTER (Deutzia). Upright, fast grower; 6 to 8 ft. Flowers in large panicles of clusters in late May. White, tinged with pink. Heavy foliage. Very hardy. **Price: Each 25c; 3 for 70c.**

BUSH HONEY SUCKLE. A hardy, fast growing shrub with very deep green glossy foliage. Grows 6 to 8 feet; broad and spreading. Very fragrant; white flowers, followed by attractive red berries that hang on into the winter. Heavy plants. 18 to 24 inches high. **35c each; 3 for \$1.00.**

HYDRANGEA (Hills of Snow). Valuable for show flowers in mid and late summer. Hills of Snow have huge dense balls of small white flowers in June and July. Heavy plants. **Price: 45c each; 3 for \$1.25.**

HYDRANGEA P. G. Very handsome shrub. Larger than the Hills of Snow. Large clusters of very showy white flowers, turning pink and bronze later in the season. Begins to bloom early in August and continues for several weeks. Large plants. 18 to 24 inches high. **Price: 45c each; 3 for \$1.35.**

Ornamental Hedges

AMOOR RIVER PRIVET. The hardiest of all Privet hedges, in fact, the only variety to grow. Glassy green foliage which holds its color throughout the year. Forms a dense, handsome hedge and will stand shearing to any extent. Plant 6 to 10 inches apart. Prices below.

BRIDAL WREATH (Spirea Van Houttei). A very beautiful shrub. Also makes beautiful hedge. Plant about 18 to 24 inches apart. Grows 6 to 8 feet high. Prices below.

JAPANESE BARBERRY. One of the best shrubs for all purposes. Grows almost on any soil in sun or shade; dense growth; 3 to 5 feet high. Leaves turn to scarlet in the fall. Covered with scarlet berries in the fall and winter. One of the best for planting next to foundation on house. Prices below.

Variety	Size	10	25	50
Amoor Privet, 12 to 18 inch high	... \$1.09	\$2.43	\$4.15	
Amoor Privet, 18 to 24 inch high	... 1.37	2.95	5.45	
Spirea V. H., 12 to 18 inch high	... 1.39	2.98	4.90	
Spirea V. H., 18 to 24 inch high	... 1.75	3.80	6.98	
Japanese Barb., 12 to 18 inch high	1.50	3.75	6.50	

We pay the postage.

ALTHEA (Rose of Sharon). Makes a very compact growth from 8 to 12 feet high. Abundance of pink flowers from July to September. Extra heavy, 2 to 3 years old. **Price: Each 45c; 3 for \$1.25.**



Gordon and James Kelly at home in their back yard. A large Bush Honey Suckle in the background.

LILAC (Purple). Well known common variety with purple fragrant flowers. Plants 18 to 36 inches high. **Price: 35c each; 3 for \$1.00.**

SPIREA (Anthony Waterer). Compact low growing shrub 2 to 3 feet. Dense top green foliage. Bright pink flowers in full flat clusters. 12 to 18-inch plants. **Price: 49c each; 3 for \$1.39.**

SNOW BERRY. Noted for its clusters of handsome pure white flowers in May. 18 to 24-inch plants. **Price: 35c each; 3 for \$1.00.**

SYRINGA (Mock Orange). The old-fashion shrub. Popular for attractive foliage and flowers. 18 to 24-inch plants. **Price: 25c each; 3 for 70c.**

SUMAC (Cut Leaf). 18 to 24 inches high. **Price: 35c each; 3 for \$1.00.**

TAMARIX (Amurese). 18 to 24 inches high. **Price: 25c each; 3 for 70c.**

SNOWBALL. 18 to 24-inch plants. **Price: 49c each.**

CRANBERRY BUSH. 18 to 24-inch plants. **Price: 45c each; 3 for \$1.25.**

Climbing Vines

CLEMATIS PANICULATA (Japanese). Large purple, rich velvety flowers in solid mass. The most popular variety. **Price: Each 80c.**

HONEYSUCKLE. Hall's early honeysuckle. Very popular evergreen honeysuckle used for screen. Pure

white trumpet shape flowers. Blooms continuously. Easily grown. Heavy 2 to 3 year old plants. **Price: Each 40c.**

BOSTON IVY. Dense, bright green, attractive foliage turning crimson in fall. Very hardy. **Price: Each 40c.**

All Shrubs and Bushes Sent Parcel Post Prepaid.



Boston Ivy



Clematis

Shade Trees

Trees Shipped by Express Not Prepaid.

WHITE ASH (American). A stately quick growing tree with broad spreading limbs. Good for shade or street planting. Grows over 60 feet tall. **Price: 6 to 8 ft., each, \$1.25; 3 for \$3.00.**

MOUNTAIN ASH. Hardy tree, head dense and regular, beautiful fern-like green foliage, covered from July to winter with clusters of bright red berries. The combination of foliage and clustered fruits makes it a very beautiful tree for lawn planting. **Price: 6 to 8 feet, \$1.25 each; 3 for \$3.00.**

ELM (American White). A splendid native tree of great size and wide spread. Graceful drooping branches. Classed among the rapid growing trees and is not easily damaged by storm. **Price: 6 to 8 ft., \$1.00 each; 3 for \$2.50.**

LOMBARDY POPLARS. Full, very high, narrow width trees. Used in landscapes and very rapid grower. **Price: 6 to 8 feet, \$5.00 each; 3 for \$2.50.**

LINDE (American). Well-known tree. Makes a dense shade, rather large leaves. Very hardy. **Price: 6 to 8 feet, \$1.50 each; 3 for \$4.00.**

CATALPA BUNGEI (Umbrella Catalpa). A bush form of Catalpa from China. Dwarf round-headed tree. Makes a dense shade. **Price: Two year heads, \$2.00 each.**

Evergreens

Evergreens are used for beautifying all grounds. For Christmas cheer they are unexcelled. There are many different kinds. We list only a few of the very best. Instead of buying Christmas trees every year, why not buy one or two evergreens, plant in your lawn near the house, and decorate each Christmas time instead of having a tree in the house, shedding leaves and needles. When decorated it is an ornament, and a pleasure to others as well as yourself.

AMERICAN ARBOR VITAE. One of the most popular of the native evergreens, and one of the most rapid growers; also one of the easiest to transplant. Have made height of 60 feet, making a rapid growth the first years. Fine for wind breaks. **18 to 24-inch plants, \$1.20 each.**

IRISH JUNIPER. Dwarf growing. Very upright. Bluish green foliage. Indispensable for gardens, beds and formal grounds. **Price: 18 to 24-inch height \$1.25 each.**

SCOTCH PINE. One of the best pines. Valuable timber tree of Northern Europe. Grows very rapidly and makes a beautiful tree. Hardy and rugged. **Price: 18 to 24-inch height, \$1.20 each.**

NORWAY SPRUCE. Large fast growing tree from Northern Europe. Very symmetrical. Dark green foliage. Very hardy. Valuable when planted for shelter or as a screen. Easily transplanted. Makes a rapid growth. Most popular evergreen for windbreaks. Also one of the best for a living Christmas tree. **Price: 18 to 24-inch height, \$1.25 each; 3 or more, \$1.00 each.**



Norway Spruce

Peonies 35c to 60c

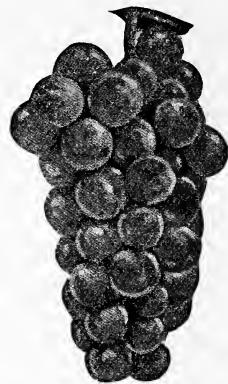
The Queen of the Garden. One of the most popular of all June flowers. Unsurpassed for beauty, and has as delicate color as a rose. Very hardy. Increases in beauty and size from year to year.

Rubra Officinalis. The old-fashioned early red peony. Still a favorite. Very large dark red, blooms in May. **Price:** Each 60c; 3 for \$1.50.

Felix Crouse. A rich, even, dazzling ruby-red. Strong grower. Best variety to use as cut flowers. **Price:** Each 60c; 3 for \$1.50.

Festiva Maxima. Extremely large, pure white variety. Most popular white kind. Very fragrant. **Price:** 40c each; 3 for \$1.10.

Unnamed Varieties. Different varieties and colors from pink to various shades which we offer at 39c each; 3 for \$1.00.



Small Fruits



Downing Gooseberries

GOOSEBERRIES

Two Year Plants, 25c each; 10 for \$2.00.

Downing. Native variety; fruit large, round light green with distinct veins, juicy and fine flavored; skin smooth. Bush very productive.

Houghton. An American variety; clear red when fully ripe. Very prolific and profitable.

CURRENTS

Two Year Plants, 25c each; 10 for \$2.00.

Cherry. A red variety. Berries sometimes more than half an inch in diameter. Bunches short. Vigorous and productive when grown on good soils and well cultivated.

Black Champion. Very productive. Large bunch. Berry of excellent quality. Strong grower.

White Grape. Bush vigorous, somewhat spreading, productive. Clusters long. Berries large. Very attractive color and good quality. Mild flavor. A very good table variety.

RASPBERRIES

10 for 65c; 25 for \$1.50.

Cumberland. Large jet black berries. Firm and excellent quality. Sweet and mild. Most profitable market variety.

Columbian. Full dark red berries of large size. Canes strong and very productive. Berries are dark red or purple and of fine flavor.

BLACKBERRIES

10 for 60c; 25 for \$1.25.

Snyder. The best variety for this section. Very hardy. Large black berry. Sweet and juicy.

GRAPES

**Sent by Parcel Post
Prepaid.**

25c each; 10 for \$2.00.

One of the most dependable of all fruits which will grow most anywhere. They are vigorous and will bear the second or third year, and will produce from July to October. All vines No. 1 stock, 2 years old. Best varieties listed.

Brighton Dark Red. Medium size fruit. Ripens about August 15.

Agawam. Light red. One of the best red grapes. Bunches large and filled. Berries are large, rich, sweet, and have a very pleasant taste. Can be kept in storage until mid-winter. Ripens the latter part of August.

Catawba. A red grape. Vines are vigorous, productive and hardy. Medium size.

Concord Black. Best known of all varieties. Grows vigorous. Large bunches. Very sweet and juicy.

Moore's early. Black. One of the best varieties you can grow. Very early. Ripens about the middle of July. Medium size bunches. Large berries.

Niagara. A popular commercial sort of white grape. Large bunches. Turns pale yellow when real ripe. Quality unexcelled.

Moore's Diamond. The best of all white grapes. Vines similar to Concord. Very hardy. Ripens about August 15.

Prices on grapes: All varieties, 25c each; 10 vines, or assorted varieties, \$2.00.

STRAWBERRIES—Plants 2c to 4c Each

Dunlap. This has proven to be the most valuable strawberry yet introduced. Fruit is very large. Bright red. Well formed and highly flavored. Being a great plant producer, it does not require as many plants to set a row as other kinds. Plant about 20 inches apart. **Price:** 25 plants, 50c; 100 plants, \$1.10.

Premier. An early variety. Produces best quality of good size fine berries. **Price:** 25 plants, 50c; 100 plants, \$1.10.

Gibson. Large size, best late berry. Heavy producer. **Price:** 25 plants, 50c; 100 plants, \$1.10.

Mastodon. Everbearing. The most delicious of all Everbearing sorts. It out-yields some of the best June bearing sorts through season and continues to bear throughout the summer and fall. A shy plant producer, so should be planted 12 inches apart. **Price:** 25 plants, \$1.00; 100 plants, \$3.00. We pay the postage on all small fruits.

ASPARAGUS

Mary Washington Strain. Rust resistant. The largest and tenderest green asparagus. This is a decided improvement over the Pedigreed Washington and the Martha Washington, being earlier, larger and longer. **Price:** 25 roots, 65c; 50 for \$1.25.

RHUBARB

Rhubarb comes in early in the season when most needed and appreciated. Like Asparagus it requires a well prepared soil and prefers a rich deep loam. Plant in rows 4 feet apart. **Price:** 6 roots, 75c; 12 roots, \$1.25.

FRUIT TREES

Apples, 50c to \$1.00

Prices on all apple trees are as follows: **Two year light**, 50c each; 10 for \$4.50. **Two to three year medium**, 65c each; 10 for \$6.00. **Three year extra strong**, \$1.00 each; 10 for \$8.50. Prices delivered to your station. If you want a quantity, send in the variety you want and number, and we will be glad to quote you a price.

BEST SUMMER VARIETIES

Early Harvest. Medium to large size; pale yellow. Flesh white and tender. Ripens about the first of July.

Yellow Transparent. One of the very hardest and earliest bearers, usually bears two or three years after planting. Pale yellow when matured.

Duchess of Oldenburg. One of the hardest varieties grown in Northern Iowa, Minnesota and Montana. Season the last of July and September.

Maiden Blush. A grand old favorite. Waxy yellow color with crimson red on one cheek. Season September.

BEST FALL VARIETIES

Grimes Golden. Medium size yellow apple. Delicious flavor. Flesh very firm and crisp. Tender and juicy. A favorite fall apple.

Wealthy. Beautiful moderate size, brilliant red apple. One of the best of its season. A relatively good keeper. Season October to December.

Snow. A snow white flesh apple. Very productive. Fruit medium size, roundish, mostly red in the sun. Fine fall eating variety.

BEST WINTER VARIETIES

Delicious. Very hardy. Bears early. Fruit large. Brilliant dark red. Flesh fine-grained, crisp and melting, juicy, with a delightful aroma. The most popular and highest priced eating apple on the market. Season December to March.

Jonathan. For years the standard apple. Trees long lived. Productive and early bearer. Bright red apple. Highly flavored. Excellent quality. Tender, juicy, spicy and rich. Season December to April.

Stayman's Winesap. Tree vigorous, hardy, spreading. Greenish yellow splashed and striped with red and purple. Flesh yellow, firm, tender, juicy and subacid. Quality best. Splendid late keeper. Season December to April.

Tolman Sweeting. The very best of the winter sweet apples. Flesh white, firm, and sweet. Excellent for winter baking. Keeps until spring. Trees hardy and very productive.

Plums, 55c to 75c

No other fruit quite as productive. One of the most easy cultured. Endless variety of colors and flavors and different times of ripening.

Prices on all plums: 3 to 4 feet high, 55c each; 5 trees, \$2.50; 10 trees, \$4.50. 4 to 5 feet high, 75c each; 5 trees, \$3.50; 10 trees, \$6.

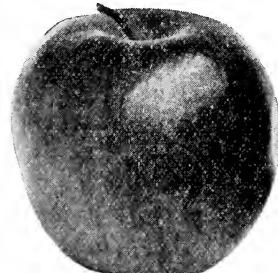
Abundance. A large early plum. Beautiful amber color, turning to bright cherry-red when ripe. Flesh light yellow, tender, juicy and delicately perfumed. Ripens in July.

Burbank. Large roundish fruit. Bright red when ripe. Flesh is yellow, sweet; of excellent quality and has a pleasant odor. The tree is very hardy and bears freely of this delicious fruit.

Blue Damson. Popular old variety. Medium size, tart fruit, dark purple when ripe. One of the best plums for canning and preserving. Ripens in September.

Green Gage. Very handsome plum. Exceptionally large size. Very desirable for home use or market. Fruit is greenish color.

Fellenberg. Italian prune. A desirable late Plum. Purple fruit, juicy and delicious. Ripens in September.



Jonathan

Cherries, 65c to \$1.00

Price: Same as apples, except no two year lights.

Montmorency. A sour cherry. Pleasing subacid flavor. The tree is hardy, blooms late and will produce a crop frequently when sweet cherries fail.

Black Tartarian. A sweet cherry. Heart-shaped fruit. Purplish-black when ripe.

Early Richmond. Perhaps the most popular and valuable cherry. Very prolific and bears bright red, juicy fruit. Unexcelled for cooking. Ripens about June 10.

Pears, 65c to \$1.00

Price: Same as apples, except no two year lights.

Pears will grow on almost any kind of soil, doing best on heavy clay or clay loam. Plant 20 feet apart each way.

Bartlett. The leading commercial variety. One of the most popular for dessert and canning. Large clear yellow, with blush on sunny side. Flesh is white, fine-grained, juicy and sweet. Vigorous. Very productive, hardy, bears young.

Kieffer. A large, handsome pear. An excellent keeper. Ripens from Oct. to Nov. The fruit is a rich yellow with a reddish cheek. The best time to pick pears is Oct. 1, and put them in a dark place to ripen.

Seckel. One of the best and highest flavored pears known. Rather small with a rich, yellowish-brown skin and white melting flesh. Season, August to September. Tree very productive.

We also have Clapp's Favorite and Flemish Beauty at same prices.

Peaches, 35c to 45c

Peaches come into bearing the quickest of any trees known. Trees planted out usually come into bearing the second year and come into full bearing in from three to five years. Peaches are short lived, and should be planted as the old ones cease to produce.

Price: first class trees: 3 to 4 feet high, 35c each; 5 trees, \$1.45; 10 trees, \$2.70. 4 to 5 ft. high, 45c each; 5 for \$1.98; 10 for \$3.80.

Champion. A hardy variety which bears well. The fruit is large and desirable for shipping. Creamy-white, with a red cheek, sweet, rich and juicy. It ripens in August.

Elberta. The great market peach of the south and west. Perfectly hardy in the north and claimed by some to be the best all-around Peach. Fruit large and handsome. Light yellow skin, red on the sunny side. Flesh is a rich yellow with pink around the very free stone; tender and juicy.

Hale. Free stone. One of the most popular peaches. Very large in size. Golden yellow. Skin overlaid with carmine. More highly colored than the Elberta. Ripens August 10 to 15.

Crawford. Late variety of yellow free-stone. A high quality, large yellow peach. Rich flavor. Adapted to a wide range of soils and climates.

HARDY PERENNIALS

Field Grown Clumps, Each 25c; Dozen \$2.00.

Aquilegia
Canterbury Bell
Coreopsis
Chrysanthemum
Daisy Shasta

Dianthus Pinks
Digitalis (Fox Glove)
Gaillardia
Gypsophila
Lemon Lily

Oriental Poppy
Platycodon
Statice Latifolia
Red Hot Poker

Phlox

Out of Three-Inch Pots, Each 25c; Dozen \$2.00.

Bridesmaid
B. Compte

Rynstrom
R. P. Struthers

White Crimson Eye
French Purple

Iris

Small Clumps, Each 25c; Dozen \$2.00.

Caprice
Lohengrin
Madame Chereau
Monsignor
Perfection
Parc de Meille

Queen of May
Sherwin Wright
Blue and White
Rosy Red
Silver Mauve
White and Blue Edge

Violet Blue
Two Shades Blue
Purple
Lavender Pink
Clear Yellow
Blue Siberian

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Established



1905

WHOLESALE FIELD AND GARDEN SEEDS

TERMS, Net Cash—Subject to Market Changes—All Prices F.O.B., Peoria or San Jose.

We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds we send out and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once.—**KELLY SEED AND HARDWARE COMPANY.**

SEED CORN—Pages 6-12. Description of Grades Bottom Page 12

Seed corn, sack picked, fire dried on steel hangers or in wire racks, every ear examined by two men, hand tipped, shelled and graded, any variety, germination 95 per cent or better. **No. 1 grade, bushel, \$4.00; No. 2, \$3.00; No. 3, \$2.00. Bags free. Ear corn crated, 75¢ per bushel more.**

CLOVERS—Pages 16-17

Per bu.

Kelly grade, 99.72% free of weeds.....	\$15.50
Full Value grade, 99.54% free of weeds	14.50
Prime, 99.25%	13.50
Mammoth Red, 99.50%	15.50
Kelly Alsike, 99.60%	14.50
Full Value, 99.25%	13.50

**SWEET CLOVER—Page 18
Hulled and Scarified**

Extra Fancy Big White, 99.84%.....	\$ 6.50
Full Value, 99.55%.....	6.00
Prime, 99.25%	5.50
Yellow Blossom, 99.76%.....	6.50
Grundy County, 99.72%.....	5.75
Hubam, annual sweet.....	10.00

ALFALFA—Pages 13-15

Kansas Grown, 99.60%.....	\$13.50
Northwestern, 99.52%	15.00
Montana Common, 99.75%.....	16.50
Black Hill Dakota No. 12, 99.80%, 30 and 60-lb. sealed bags.....	17.00
Dakota Certified Grimm, 99.78%, 30 and 60-lb. sealed bags.....	20.00
Montana Registered Grimm, 99.80%, 30 and 60-lb. sealed bags.....	22.00

CLOVER MIXTURES—Page 19

Consists 20 lbs. Red Clover, 15 lbs Alfalfa and 25 lbs. Sweet Clover.....**\$11.00**

**PASTURE MIXTURE, Consists of—
TIMOTHY—Page 19**

Kelly grade Timothy, 99.50%.....	\$ 5.75
Full Value, 99.10%.....	5.25

GRASSES—Page 20

100 lbs.

Kentucky Blue Grass, 21 lbs.....	\$37.50
Kentucky Blue Grass, 19 lbs.....	35.00
Red Top, heavy seed.....	30.00
Sudan, page 23.....	9.00

Kelly Fancy Lawn Grass, 100 lbs.....**\$35.00**

Glen Oak Park Lawn Grass, 100 lbs... 20.00

Shady Place Lawn Grass, 100 lbs..... 35.00

Orchard Grass, 100 lbs. 20.00

SOY BEANS—Pages 23-24

Per bu. Per bu.

Manchu	\$1.45	Ebony	\$ 2.50
Illini	1.45	Wilson	2.60
Dunfield	1.50	Virginia	2.50
Black Eyebrow. 1.50			

SEED GRAINS—Pages 21-23

Per bu. Per bu.

Manchu No. 1 Spring Wheat..... **\$ 1.10**

Barley, Oderbrucker

.75

Gopher Oats

.60

Iowar Oats

.45

Kanota

.75

MISCELLANEOUS—Pages 21-24

100 lbs.

Dwarf Essex Rape..... **\$ 6.50**

German Millet

5.00

Common Millet

4.50

Cane, special for sorghum..... 6.00

Cane, Orange, for syrup..... 4.00

Cane, Orange, for fodder..... 4.00

Cane, Amber, for fodder..... 4.00

Per bu.

Buckwheat, Silver Hull..... **\$ 2.25**

Cow Peas, mixed..... 2.50

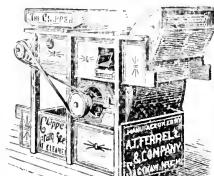
CLIPPER MILLS

Page 25

We are state distributor for Illinois.

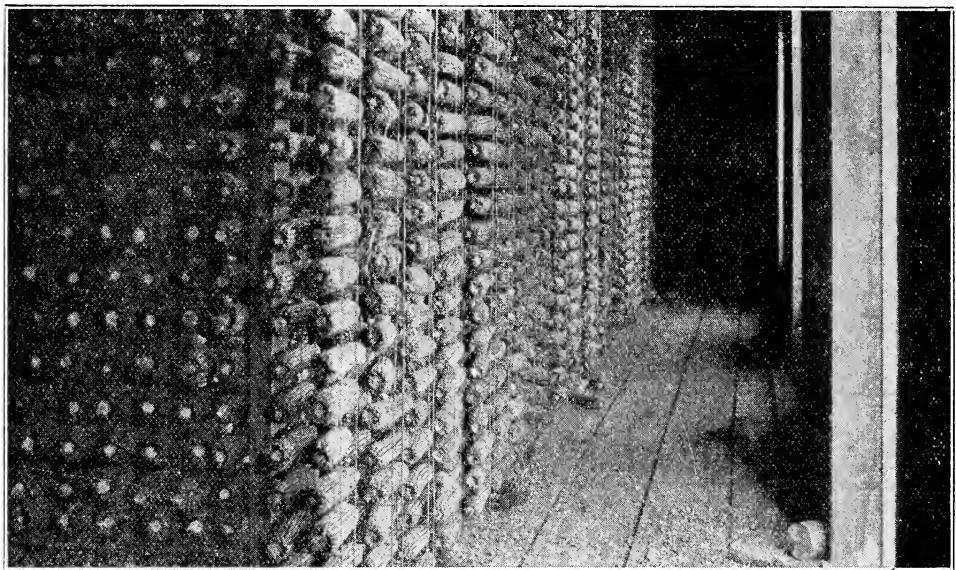
No. 1 B. 12 sieves, \$37.50. No. 2 B. 12 sieves, \$45.00. Bags,

Bemis A, Heavy Cotton, \$30.00 per 100. 35¢ each.



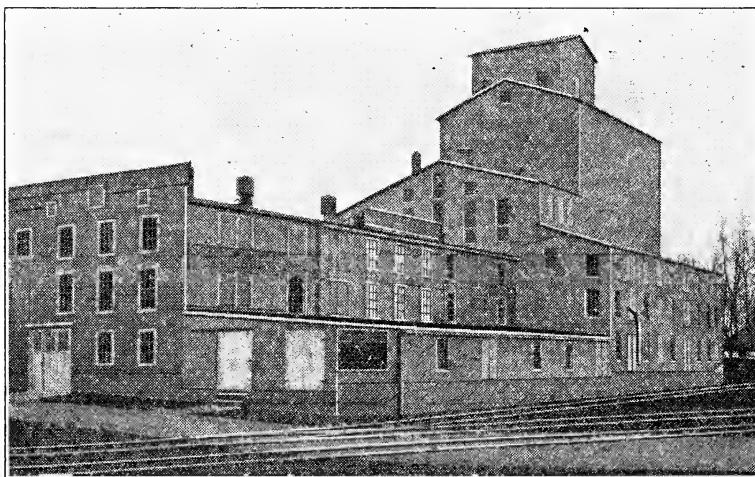
ALL PRICES SUBJECT TO MARKET CHANGE
BE SURE TO SEND MONEY FOR BAGS. SPECIAL PRICES ON LARGE LOTS

We broadcast seed prices over Station WMBD, Peoria, Illinois, every Thursday evening at 6:35 o'clock. Listen in and keep posted on seed prices and other items. WMBD is on a low wave length and is found on most radios between 5 and 10.



All Sack Picked, Fire Dried

Our corn is not allowed to absorb moisture and then freeze. Freezing and thawing soon ruins the vitality of seed corn. Corn can be dry in October, but if no heat, quickly absorbs moisture from the air. Moisture content of corn can change from 13 to 20 per cent in four days. Each rack holds from 500 to 850 ears. A bushel of seed corn stored like this, and not allowed to freeze, will produce on an average of 32 bushels more than corn stored in a barn, crib, garage or hoghouse where exposed to weather changes.



One of our seed houses at San Jose. We have two seed houses at San Jose where we store and dry our seed corn. In this one we have room to dry about 20,000 bushels of seed corn. In addition, we have 72,000 bushels of bin room for seed wheat, oats, barley, soy beans and other grains and seeds. We also have room for 8,000 bushels of seed in bags, such as clovers, alfalfa, timothy, etc. You will note we have our own switch tracks; also connections to local freight house with the north door of our seed house direct to the platform. You can note by this arrangement that we can make shipments either local or carlots without handling, simply trucking it out of the building into the cars or to the freight depot platform. In this building we have over \$10,000.00 worth of machinery for handling, cleaning and grading seeds. One man can clean 1,000 bushels of soy beans a day, not having to handle a single bag, all being done by machinery. We started our seed business 25 years ago in a small room at the rear of our hardware store measuring 20 by 26 feet. At San Jose we have one other seed house, three warehouses and three stores. At Peoria we have one store which has five floors, and use the Federal Warehouse where we store thousands of bushels of seed every year.